THE TOT SMINH The Mining 3 ournal

RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 374. -Vol. XII.]

LONDON: SATURDAY, OCTOBER 22, 1842.

PRICE 6D.

MPORTANT SALE OF MINING PROPERTY.—
Mr. C. WARTON begs to accounce that the SALE, BY AUCTION, of THIRTY
HARES In the CARN BERA MINES and ISA CATA BRANCA BHARES, at the
art, on Wednesday next, to CUUNTERMANDED.
SS, Threadnesdes street, Oct. 29.

INE AND MATERIALS FOR SALE, Calstock, Cornwall.

—FOR SALE BY PRIVATE CONTRACT, the valuable capter mine culted so BANESCOMBE MINE, in the parish, of Cabback, abstitute upon the liver amount, with a right of using the quay at Kniley Back for the purposes of the sales, are certified in the MATERIALS, there ca, complete, and in full work, with all secondary & work, whose, tacks, water, sheel forty feet disaster, powerful creating, makine, and other materials. The mine is held under leaves from the Earl of Bound Agecuable and Lord Arbitation, for the cream of twenty-one years, of which apprach sixtens are mergined, at 1-16th dues, and are situate in the highly-paramining and the state of the mine, which have preduced considerable quantities of ought of any saturation, the operations of the present adventurers have been confined to the state of the mine, which have preduced considerable quantities of copiers. The northern looks have not been, explored by the present adventurers, but a said to have been worked, by distinctors, to the depth of twenty between the after the action of the morthern looks have not been, explored by the present adventurers, but a said to have been worked, by distinctors, to the depth of twenty between the after the lates in the internal time and

addings, on the mine.

For inspection apply to Mr. J. H. Hilbhins, of Tavistock, Devon, or b. the agent the mine; and for further particulars to Mesers, a Beckett, Son, and Hingard Blanch, J. Golden, square, London.

Baret Oct. 43.

VALUABLE COLLIERY, near EDINBURGH, TO LET.—
TO BE LET, on a new lease, the COAL-PIELD on the SANDE of EDMONTON, belonging to John Waschope, Em., This colliery has been wrought, and
as furnished large capplies to the city and to the populous districts around, for
rore than a century, and the quality of the cont is well known to be of the best decription. The Dalleith Ralivery passes through the middle of the feet, at the disance of the miles from the Edinburgh depot, at BL Leonard's, eig from Leith barent, and two and a half from Fishedrow's and there are, besides, excellent roads in
very direction. The quantity of Mid-Lothian coal consumed in Buinburgh above
streeds 200, 0 thous annually. There are at present on the coalier,
and the proprietor is empowered to retain at a valuation. There
are also belonging to bien, and to be left with the coiliery, substantial and counter,
the DWELLING HOUSES for the colliers—so that comparatively fittle capital
could be required for assess that of the eminent Mr. Buddle, of Wall's End, is incorited that a very large extent of valuable tool in the field is still entire, and little
interfaced by edge or otherwise. Of this, apprains of flay acress of substances, and
the the capital
is that a very large extent of valuable tool in the field is still entire, and little
istanced by edge or otherwise. Of this, apprains of flay acres of subical coal, and
results—besides life acress of beefe coal, and also from twenty to thirty street
of subical coal. To the dip of these coals lies a great additional facility of the capital
their capital and the substance of the coalies, and also from twenty to thirty street
of orbital coal. To the dip of these coals lies a great additional facility of the capital
their can be residered accessible and wrought out by additional passingle-regions of
the creative of which, by a joint moderataling between the and the additional one
to be moderated accessible and wrought out by additional passingle-regions of
the whole, a sucre eighbo opening for a VALUABLE COLLIERY, near EDINBURGH, TO LET .-

CHINA CLAY AND STONE WORKS, TO BE LET, in the parish of St. Meybon, in Braceril, creatly of Corawall, for telems of years, trees the Bible of St. Meybon, in Braceril, creatly of Corawall, for telems of years, tree the steward's office at Bocousson, sear Lockwithird, on application being made for the same to him free of express.

Lot 1. The established work on Bailer Moor.

Lot 2. The established work in Bailer Moor.

Lot 3. The established work to Bailer Moor.

Lot 4. The ontablished work at Little John's.

All which works have been lately hold by the firm of John Rogers and Son, of Longpert, Staffordalire, and formerly in part were hold by Measr, Spoole and Conditional Conference of the Company of the

Lot 1, In quarry close and Co.

Let 2. In quarry close adjusting the lands occupied by security control of the Milliam Common.

Let 3. In quarry close allosaic morthward, and adjoining in Lot 2.

Let 4. In quarry close allosaic morthward, and adjoining in Lot 2.

Tenders free of expense coffering for roots, rates per the fire day and slone reaperticity, may be sent to Mr. John Bowen, at Bocomme abressaid, on or before
the last of October most, for the said loss separately—The landsware will not be
broade in accept any tonder, but will, be at their ty to discove a transit, or senses,
for such lors, who will have an existence of axing the machinery lake in use therein.

Proposals may be likewise sent in respect of any other lands in the said parish bu
lady Greaville.—Dated Sciences, Sept. 17.

CONTRACT, by order of the

OIK I SALE, BY PRIVATE CONTRACT, by order of the sanigueurs of Messar. Accordance, long age, and Cn., the following most Valut. LE PROPERTIES that the is say; the BRISTOL SHOW WORKS, strated to the side of St. Philip and Jacob, within the city of Stigated. These most appeared works a leave errected out freshold grossed, within the sast three years, of an encountermore, and compares becidings and markingery amagined in the caveral betanches of CHESKRING HANUFACTURE, they shoul, to the santware, immediately or works of the Great Westers Estimacy; are district on the neutral and the west by high frond, and have the large canal, which commences with the Brovz Avon Station of the security of the santware and the santware of the security of the santware security. On the santware the santware security of the santware the right or one, which the patheru, nawkery' presented, Please for santware the right or one, which the patheru, nawkery' presented, Please for santware the right or one, which the patheru, nawkery' presented, Please for said-order that the santware the right or one, which the patheru, nawkery' presented, Please for said-order that the said-order said-order that the said

consistence has no present count.

BE DIST N. E. T. R. B. M. I. P. Y. A. D.,

DOOR A CON. residence of the floration designation, to the

BE DIST N. E. T. R. B. M. I. P. Y. A. D.,

DOOR A CON. residence of the florating benefits of opmost a designating subjected for their educationation of opmost or of force. The obligation on only independent of countries come being borned on conductor by regulations of

rose conserved serve pira, adequated to thinker of recommendation, with processor designations.

MINING SHARES FOR SALE.—SOUTH CARADON,
TRESAVEAN, TRETHISLAN, CHARLESTOWN, HOLMBUSH,
OTHER SHARES, in the BEST DIVIDEND MINER, FOR SALE, on appropriate to the best of the bes

INDICATIONS OF COPPER ORE, showing richly to the morbos, and in many parts of the fee-simple ESTATE of GLAUNARTLLERN, parish of Kiles, country of Cork, Irvinad, six miles from the form of Sathbarreen, and three from Sailydohab, there is no excellent rend, test in repair by the country, from the cointer to floaring Water Guay, where tweeded of sufficient burther, can ship the ore; a heree and cart can make two luture per day to the shipping quay. John Swanton, treamt on the untake guay, where tweeded or to the shipping quay. John Swanton, treamt on the untake make the luture per day to the shipping quay. John Swanton, treamt on the untake guay of the ore — Proposate will be received from a company willing to work said minor, by most, directed to Major Mathew Scotl, directions, mark Bandon, Jectonic; and for further particulate, inquire of the Effort of the Mining Jammed, J., Canne court, Fiest-street.

STEAM-ENGINE. -TO BE SOLD, a PUMPING-ENGINE, with holices, pumps, aleans and fired pipes, &c. &c. -For faither particulars apply at the office of this Journal, I., Crane-cruct, First-circet, London.

above advertisement, we appear the inflowing particulars for the information renders generally—
disloads or linder engine, with two boilers (non-each wanting to one basiler)
thirty-six sections, and the other twenty-never feet long.
One is linch know-piece, with cinchs and scalings.
One is linch how-piece, with cinchs and scalings to one, with matching y
staffing box, and gland.
One is linch 6.7, windstore; one if linch 9.8, piunger pole.
One 17-inch 6.7, windstore; one if linch 9.8, piunger pole.
One is linch 6.7, windstore; one if linch 9.8, piunger pole.
One is linch 6.7, windstore; one if linch 9.8, piunger pole.
Three pair atrapping plates, holts, and burs.
Three pair atrapping plates.
Six id-linch 9.6, pumps; one if-linch 9.8, sittin.
One id-inch 9.6, pumps; one if-linch 9.8, sittin.
Three id-inch 9.6, pumps; one if-linch 9.8, sittin.—The only yeasen of the
fried being parted with, it that the proprieter has no rether top for it, had
drained three votes of coal by here! In shifting to the vent drained by ungine.

**exal depictures have pronounced it to be a very powerful angles, with a same

TO BE IMMEDIATELY SOLD, A BOLTON and WATT STEAM-ENGINE, now in one pumping water for the copply of the Kuntet and Avon Casals in Crothun, cylinder thirty-in lacker dismester, eight feet struke.—May be seen, and any further information gauging, on application to Mr. T. E. Shawell, youthouse, Devises, engineers of the sand shah.—This suggests is about the rection of another of greater power.—Oct. to.

CHEAP STEAM-ENGINES.—HIGH-PRESSURE STEAM-

MPERIAL SLATE COMPANY.—The remaining NEW SHARES which have not been taken up by the present proprietors, are now OFFERED to the PUBLIC. Those shares well be untitled to the same amount of dividend, at the next half-yearly general meeting, as the old shares.—Application to be made to the sourciary, Mr. Widian Humpleth, or the office of the company, he tween the hours of Eleven and Three, where the faport of the cinarean on the passent scale of the works can be obtained.

5. Bobert-street, Adeight, Oct. 19.

NEW GRANADA MINING COMPANY.—Notice is hereby given, that a SPECIAL GENERAL MEETING of the proprieture of the New Granada Mining Company with be held at the office of the company, 13, Austinfrara, or 1 thorbing, the 7th lost, at Two or these precisely, for the purpose of considerings to separate or considering the expension of the considering and directors.

By order of the local of directors.

15. 8. WHITE, Assist aid company.

THE MINERS' COMPANY.—The Court of Assistants of the Governor and Company of Couper Miners in Engiand, hereby give notice, that the HALF YEARLY DIVIDEND of TWO AND A HALF PER CENT, on the paid-up capital stock of the company, declarate this day, will be payable at their become, 374, Old Broad-street, on Thursday, the EV th isset, and on the bridgering days, from Eleven till Three o'thout.

By order of the Court of Assistants,

Office of the Governor and Company of Counce Miners' in England, Old Broad street, London, Oct. 12.

RIO DE ANORI GOLD-STREAM-WORKS COMPANY.—
Notice is hereby given, that a positic GERIELAL MERTING of the sharehotices in this ecospany will be held, on seguidar, the risk of theodor, east, at the
George and Victure Tavern, St. Michael's safety, therebold, in One o'check precessely,
as no premainty vision whetever never sension against the company, and cortain
shareholders feeling diagrand citik to presented the undertaking. It is desirable, at
the above meeting, to ascertain the homiser of charfes that may be purchased, for a
consideration, on well as those chareholders who may be induced to continue
works by payment of calls necessary for that purpose.

By content

ANDREW SMITH'S PATENT WIRE ROPE.—The ANTRAORINARY RUCCERS that attends the WORKING OF THERE ROPES IN MINES AND ON RAILWAYS, REQUIRED ONLY TO BE RRIGHN TO RUFERREDE ALL OTHER ROPES FOR SUCH PURPOSED and, in proof of pa SUPERIORITY power by experience sizes for STARBEST RICHING, in arthrese to state that the Hundreds Streenschip, and H. M. closus frigules Provided to control of the Control of th

THE PATENT SAFETY FUSE.

FOR SLANTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARINE OFERATIONS.—This article afferds the method, chempost, and most expeditions mode of effecting this pay behavious operation. From mony technicals of the conclusions with which the Manufacturity's large them for every marked the bingston, tagy celect the following integr, presently considered from John Taylor,

of this.

Chickened and said by the Patentone, \$10%FURD, SMITH, and by
the Confessal.

CLARIBORY PATRITY or Empirical Record, 1973, for working the late. Appliable Record of Patriots Reviews — The State of Patriots Reviews—This Statements material has been exclused used, either its first interesting lists. He consisty for the finite-wing supplies produced to resource, points and other patriots. The first patriots of the consisty for the finite-wing supplies while, and finite-wing the first patriots of the consisty of the finite-wing the first patriots. The first patriots of the consistence and other beams of the first patriots. The first patriots have a first patriots, played the first patriots. The first patriots have a first patriots of the first patriots.

HENRY THOMAS, MINING AGENT and MINER, SURVEYOR, No. 6, GRORGE VARIS, LOWBARD STREET, LOND-Miring Agencies undertaken, mineral property merceyed, and reports, plans, or commel or management of the plans, or commel or management of the plans, or commel or management of the plans, or commel or management or commel or management or commel or management or commel or co

SMOKE NUISANCE.—ECONOMY OF FUEL WITH THE NUISANCE FROM SMOKE, by C. W. WILLIAMS'S AIR FUE —The principle of this furnace consists in the smoke by which the air is full to the gameous master everleyd from cond, whereby a more perfect combustion to

A R G C S L I F E A S S U R A N C E C O M P A N Y.

B. TH R OGMORT ON STREET, BANK.
Empowered by queetal Act of Partiament.

THOMAS FARNCONE, Esq., Alterman, Chairman.
William Banbury, Esq.,
Heavy Sarrett, Esq.,
Heavy Sarrett, Esq.,
Edward Balve, Esq.,
Thomas Campin, Esq.,
Thomas Campin, Esq.,
Privacian—Dr. Jonframon, J. Finsbury, square,
Bankanon—W. Cun'amon, Esq., 2. Frederick's piece, Old Jewry.
Canaratyrea Actuary—Professor Hall, of King's College.

LOW BARTS OF PREMIUMS.

LOW RATES OF PREMIUMS

Age.	For One	Yest.	For Several Page	A SPECIAL PROPERTY.
- 15	40 19	7	d1 0 7	#1 1A 1
	1.1		\$ 2 B	1 19 19
- 22	1.1		1 10 2	1.0
	2.14			1

"I and very gird to him that that any opposessed to have been day service in the hardy from a through conviction of the hardy from a service from a through conviction of the hardy from a service from a through the hardy from a service from a through the field you should about of the field."

Manchetorial and sold by the Parasites, SICEFUED, SMITE, and I

THE ATMOSPHERIC RAILWAY SYSTEM

becoming the engine, couch as second draw where the coursingue, — Mr. Vignories profession attraction for an index finite, in which the various parts make binary on which he was about to a youth, were enginement, and send, to a dark finite of the franciscon parts to a dark finite finite or which he was a finite to a youth, were enginement, and send, to a dark first three or the procession of the course of the franciscon parts and the part of the franciscon of the first parts of the franciscon of any and choosing it, and the connections between the plotter rad and the parts of any entire franciscon, or 'tearwise,' is nown of an entire to the white was attached, the investigation on the rational control of and to which was attached, the investigation of the parts present specific filters from the theory only children even their continues of a passe of spacetoreach rathers, which has been to the continue of a passe of spacetoreach rathers, which has been to the continues of the continues

worth an experiment; they decided on making an application to Govern pensions ancietance, which proyed successful, and they were now may suffer of rail-way with 16-16-66 pipe, which would be its operation in six tops to present time; and he hoped to be able, at the next meeting of the Poly

COLONIAL LAND COMPANIES .- No. 111.

NEW ZEALAND-GROLOGICAL PRATURES.

We last week gave a general notice of this colony, and again refer to it in respect to its geological features, which course we shall adopt whenever we can obtain authentic information of a nature like the present, as regards

We lost week gave a general notice of this colony, and again refer to it is prespect to its geological features, which covers we shall adopt whenever we and obtain suthentic information of a aginar the present, as regards our other colonial possessions.

The geology of this colony has as yet been but little considered, the first attrotion of emigrants and others being, of course, turned to the expability of the soil for predecing the necessaries of His. The chain of memoration which we before mentioned as atteching almost aniaterruptedly from morth to south, besides the west quantity of iron and bituminous metter which it is known they contain, have, in their immost revenue, a variety of miocrain, which will amply repay future investigators for their researches. Shrifts, ferificance of the volcanic origin of the smulty are everywhere abundant, and the state of the seas and is many of the islands, is the different bays. Of the Hay of Pirenty is situated White Island, which is in continued craption, the floones being plainty visible at dusk at many miles distant. The laws and smorie ejected from this volcano, which is of some anquistes; is branch by carcents to the edipacent shores, and is used for possible to the seas of the state of the season of the volcano by the antires. All the islands is this hay have indispatable entries of recent liquition, subject, brilling springs, and obsidies, or volcanic giaxs, being found in all of them. Of the snipher it is worthy of found in Karopana vibrance matter, the general proportion being abeliance, which of pour beinestone. Dunbition, in a few years, this substance will form a considerable article of export, and reader Regional on the dependant upon likely for a supply of that cosmitial article, as we have been informed that in New Zealand a considerable quantities as the volcanic proper is a substance of the substance of the proper is a substance of the to the country, and will, deabless, he of great service to the colonists. Hanait recks are often seen in various districts. Angite is found at Kocorarika, and large pleass of jusper, both red and green, meetly of a square form, with the angles remaded by affection, are constantly to be picked up on the era caset. Small createflast, tariotarly colonocal, but of inferior quality, are pignished in the sand bills; and is asset placer, principally on the west caset, a motalite dead is shumiant. Calde of iron and protected of manganese is often not with in great pleasy. Large leducated please of allow are seen in sear-vating clayery hills, as also a species of argillaments selectores group, much rescabiling the well known tirers sisman in approximate. Ironatura is abundant to various parts of the country; so the berders of a lake called Mosmon, shouled a few colon island from Tohomaru, peraliar strongs are found, which are only in the meteoric; they are protectly aphretical, and studied with long protects, varying in sign from a pixted ball to that of a canason, and are used by the salives lastened of buillets, when assembline falls. A mineral took of the same calcure is also flood in the field of the streams and rivers sear this take. Whole districts on either above of the inlands are found of covinceous mart, or chall. The green take, or "procumen," of which the actives provises to the fabrochesium of from, mode their hotalets and model is the object, by approxime to the air, it becomes a tree in the fat of a section, Proceedings, the indicate of E'd Arconamy (containing green a various developes, are expandedly funcion of the improvements of the base of large thread in the model of the connection parts of the disorder, and subject server also propagately and income of the processing a colonial are view also placed of E'd incomes of containing great amender of various and so along the order of a colonial and model of the connection and of containing great amender of various and the model of the connection and conne

REVIEWS.

Guilty or not Guilty ! London: J. G. F. and J. Rivington.

Guilty or not Guilty I Leadon: J. G. F. and J. Rivington.

This pumphict, which is annoymous, although sacribed to a Conservative Monder of the House of Commons, whose insubstations have appeared in another abage and at greater length, proposes, briefly, "to pass in review the acts of the House—to prosoconee calmiy and deliberately on its merits—and to ascertain how for it has performed its mission." With the question between the Conservative Member and the Minister, so to whether the latter has acted in accordance with the expectations of those by whom he was placed in power—whether be had lent himself to Whig measures or otherwise, it is not for us to interpose—our object being to confine our notice of this brackure to such parts as appear to bear on a subject treated upon in another column—the effects of the tariff on the mining industry of this country, and which we shall briefly touched upon in its papes.

The writer, in appending of the disappointment which the nation had been subjected to under the Whig administration, amongst other things, "with the neglect of sative, and the preference given to foreign, labour, under the principle that the interest of the purchaser was paramount over that of the preducer," observes, that, is placing the Tary party in power, the country "expected (in addition to other subjects receiving the attention of the Minister) further to see the energies and resources of Government directly applied to assist and provide for the great masses of own thrown out of employment by the inevitable rise of manufactures under a largethened peace in foreign constrien, and by the, perhaps, equally languitable extransion of machinery."—"On these terms," continues the writer, "and on these problems, the union would have cheerfully submitted to the insertance of taxation accessary for the relief and redemption of the manufacturing poor, and to the restrictions on the importation of food, as necessary to the continued wellineing of the agricultural working men. They looked that no prohibitory du

Such, indeed, we feel, as far as the working miner is concerned, not to adsert to the mine adventurer, is too fearfully true a picture to allow of doubt. In the pampilet of Mr. Basset, noticed in our last and present Numbers, that gentleman groudly points to our cotton trade, on which the following remarks of the writer whose pampilet is under review—Guilly or not Guilty?—we think to pertinent, as to induce us to quote them:—

we think so pertinent, as to induce us to quote them:—
Are words on the fully of the cry for free train from the manufacturers. They can undersetial European manufacturers of cotton ciceba, and they point in triumph to India, to the ecition grown there, brought to England, worked up, and then responds to the land in grow in, but are they aware, or is: they concoul, that all this is done with a protective daily of 30 per cent. of coheren. That India has coal in absendance, that the Islander of the spirst and most ingenious workmen in the world is there a mere drug, that the steam-engine and the cotton-factory have raised their annightly built on the banks of the Gangue, and that were the differential data to done away with, and India treated as a portion of the couptry. that the react draw to hereaff the capital and markinery of England, evice on the English market, and cain the whole of the cotton manufacturers of this country.

The other portions of the annihilation that the country.

The other portions of the pamphiet are taken up with the consideration of the measures to be adopted—the author having, at least to his own satisfac-tion, and, doubtless, to that of many of his readers and admirers, brought in a verdict of " Guilty," but, although sentence is recorded, judgment is de-ferred.

tion, and, doubtless, to that of many of his renders and admirers, brought in a vardict of "Guilty," but, although sentence is recorded, jadgment is deferred.

Income Tax Tables, Accompanied by a Variety of Statistical Information, By Chankus M. Willieth, Serviary and Actuary of the University Life Assurance Society. Longman, Brown, and Co.

These tables, however useful, have no attraction in their title to induce the public voluntarily to purchase them, any more than they would be disposed to pay the tax to which the tables are applicable, but, as we are not to discuss the mer its of the measure, but of the work under review, we will at once proceed to describe in nature, awarding to its compiler that meed of praise doe, for having, 'no neat and comprehensive a manner, placed before the public who are in the enjoyment of 1504, per anama and upwards the advantages attendant on a "rendy recknose," while the information appended to the tables in matter of interest. From the latter we shall make a brief abstract, leaving to our readers in consult the tables in the interval afforded them before the visit of the commissioner or collector. It appears from Mr. Willich's little work, that it is provided by the 2d section of the Act impraining a "property and income tax," that an duty shall be charged lower than one penny, which, on reference to the lables, we find represents an income of 2s. 10/1d. at which they commone, rechosing at the rate of cury one penny additional duly imposed up to 2006, per anome, which no comprehensive—indeed, it is a mery matter of figures, and in wider intervals up to 10,0000, and may be said to be, as such tables should be, simple and comprehensive—indeed, it is a user matter of figures, and in these Mr. W. has confined his book, with the exceptions already referred to winder intervals up to 10,0000, and may be said to be, as such tables should be, simple and comprehensive—indeed, it is a user matter of figures, and in these proceed was it per cent., in 1200, 5 per cent., in 1200, 60 per c

LONDON ELECTRICAL SOCIETY.

LONDON ELECTRICAL SUCIETY.

Out, 18.—Me. Pallips, a member, reported to the society the particulars of an accident by lightning near SL Austell, when few out of five children, who had taken refuge in a toll-house, were killed. The point of interest in consection with this societies is, that the flash struck the very low hadding in which the little party had taken refuge, in performer to higher buildings in which the little party had taken refuge, in performer to higher buildings in the insuscribate viciotity; in this respect hearing a close relationship to what occarered at the Februaryser's Almo-houses, Newington, and a small century in Lambeth.—A translation by the societary was then read of the commencement of M. Berquerel's resourches on the electro-shemistal properties of single helifes. The suther introduces has subject, by dwelling apon the importance of electro-shemistry, and takes occasion to introduce some very furcible subjects and appoint the amount of theory, of which we quote a muscl in-mediant single—" When one spintance and on modifier, wader the influence of for which organization against the matter theory, of which we quote a most important organization. "When one substance acts on another, woder the influence of light, destributed as in all chemical reactions, which difference of light, destributed as being as this influence remains. If it consents a girll there is no longer any sign of short-being, and, assert-beings, the contact of the cover-formed mathematic short in the influence which the the short is easily, and orthing is charged in the circumst." The position then enters on his test by deser thing the made of asserting and operating upon gold one, professionary to absenting and only is thin, but in other operations with the tool metal, the right and advantageness way of applying electro-obsessing. This portion of the soliminations way of applying electro-obsessing. This portion of the solimination received for a feature meeting.—A theoretist paper, by Mr. Prosen. M.E.S., was thou send, in which the nother electron to show that the thradity between electronic and the making in Majorander, was then cond.—The forestery assessment that Walter Majorander, the first paper in the processed that Walter Majorander, the first approximant of the girls of the context and converted the original to be a production, but had confusionating failed. The mediant had not convived the original for the first limit of the processed the processed of a sense of the point of the processed of the continuous for the continu

There is a well of good fresh water, at Navanes, once Porth Carel, Gliv prorganshire, and within a quarter of a saint of the con; but, clear relate, when the tide is fell the well is dry, and when the take is out are sig or arrest fact of water in it.

deniand leading plied th problish that, for the meet fullower be the wande the representation of the presentation of the presentati pay the

The C marly pro for a con expectati tablishm an except branch at that busi Dr. Be had been proposed nimously, directors to the 301 faction,— terposeded

On Sat thereholds types. Term and to con how owing resolutions resolutions the George The Car

prety, cithe repay to th ing, ingetic had, on ma tions of pre undreasest is summerically preventing to the share tales to grube paid into Riveriey, and which it was the Roads—a fine remolation pools cashe at these remolation pools cashe at the remolation passes and the remolation passes and the remolation passes in Lawrence in Lawren

PROCEEDINGS OF PUBLIC COMPANIES.

PROCEEDINGS OF PUBLIC COMPANIES.

BANK OF CEYLON.

The first general meeting of this corporation was held at the London Tavers, Binkopagata-street, on Thursday, the 20th instant.

JAMES J. CUMBRINS, Eq.,, in the chair.

The CHAIRMAN having rend the advertisement convening the meeting, proceeded to read the report of the directors for the year ending 30th June :—

REPORT.

In the month of April, 1841, the directors of this mak addressed a circular in the propertions, in which they stated that a Hoyal Charles of Hennyoration had been obtained, and all preliminary matters enselved—that the memory and accomminate had processed to Ceylon, and that the former, with the valuable and gratuitous unistance of H. J. Airecchi, Eq., a member of this court, was then oranged in making the occursory arrangements for commenceing business at Culossibe. The branch hank there was accordingly corned on the 1st of Jame holdiswing, and the directors have now the pleasast of laying before the proprietions a report of their proceedings, down to the join of Jame hold, it having been determined that the books should be closed on the 1st of Hocombre and joth June is eash year.

No bank had previously existed in Ceylon, and the directors were prepared to find their progress imposed by those prejudices and doobsts which when ya triend the is troduction of a new institution into a send community, they were, however, hilly concrined that such obstacles would specify give way, as the growing commercial importance of Ceylon evidently required the silate the flash of Ceylon would be considered on fair practices, and attrict the Blank of Ceylon would be considered on fair practices, and strictly confineed in the Blank of Ceylon would be considered on fair practices, and strictly confineed in the neart degree disappointed.

The prevalence of commercial distrees, which has been experienced in our golo-

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the least degree disappointed.

The prevalence of commercial distruss, which has been experienced in our colonies, as well as at home, for the last few years, has had the effect of greatly restricting the general commerce of our Eastern possessions during the past year. With this also our bank, in its infancy, has had to contend, and the directors found that it would not be judicious, nader such circumstances, to call up the capital as specify as was at first intended. They, therefore, obtained the consent of her Majesty's Government to an extension of the time for paying up the whole of the capital for the period of three years, which was easily inten to oughly the bank with funds adequate to the progress of its business. It is very gratifying to the directors to be able to intate, that not a single lead dot has attended the year's bessiness. They council but regard this as a proof of the processes with which the manager has discharged his important states, and they have great pleasure in locating testimony to the zeal and efficiency of hissassif and the accountant in the bank.

The directors have to announce the amountered of the content of the bank.

manager has discharged his important duties, and they have great pleasure in hearing testimony to the zeal and efficiency of almost and the secondaria in the bank sorvice since their appointment.

The directors have to associate the appointment of a local beard at Colomba, consisting of gentramen of the first respectability—vir. John Armitaye, Keq., Henry Ellchie, Esq., and T. B. Norris, Ekq., who are themselves proprietors of the bank is their expectations and the manager will benecedowere the allocation of the bank. The directors feel boand to acknowledge the flavourable disposition evisient, total at home and in the colony, by her Majesty's Government, towards the Bank of Ceyton. They feel that, without such flavourable disposition evinered, both at home and in the colony, by her Majesty's Government, towards the Bank of Ceyton. They feel that, without such flavourable disposition on these obtained the position it now occupies in the biand, and they have uniformly impressed upon the manager their desire that he should, in all his proceedings, seek the sanction and approval of his Excellency the Governor and other authorities. Yo much the wishes expressed very generally in the community, the directors have sent cut authority to Mr. Mackennie and the local board at Colombo, to extablish a branch at Kandy, under the sanagement of Mr. Completh, the lain excentants he directors are evaluated to declare a dividend at the rate of 0 per cent. for the pure unding 39th June 1st, on the paid-up equital of the bank, and, upon the whole, they do not healtate to congratuate the propristors on the present position of the corporation. The directors proceed to salunct the foliowing statement of the accounts to the above-named period—vir. 19th of June, 1842:—
Net assets to June 20, 1843.

following statement of the account of the last control of the last

pennes, a proportion of preliminary expenses, and rebate of interest on bills not due.

The balance that will remain after payment of the dividend the circular propose to carry forward to the next year's accounts.

In reply to Dr. Bowring, the Charman said that the amount of the bank's circulation in Ceyton was about 90001, the notes being payable un denand.—A Proprintron wished to how if the bank were in the habit of leading money upon the accurity of landed property?—The Charman replied that the bank confined its business to the discounting of hills, the charter preshibiting any other shan legitimate banking.—Dr. Howarawa recommended that, for the future, the reports should be circulated a short time previous to the meetings taking place—much good having resulted from that course being followed.—The Charman stated in was willing to comply, if such should be the wish of the proprietors for the future, but no motion having been said the uniped fropped.

In reply to a question from a proprietor, the Charman stated that the preliminary expenses, including those of procuring the Royal Charter, were only 35001, of which amount 4954, had been paid, and it was proposed to pay the whole is six years.—Mr. Hadden moved, and Mr. Routes seconded, the adoption of the report, which was put, and exercise manulary.

The Charman then stated that, in addition to the impediments to their early progress, naticed in the report, many of the merchants of Ceyton bad, for a considerable time, heritated to open accounts with the bank, under the expectation that the Hank of Asia, then projected, would seen have an exhabitant meant on the island; he was, however, happy to say, that, with scarcely an exception, all the mercantile houses were ensurers of the bank. The branch at Kondy was about to be opened with the full search have an exhabitant such that the importance and unclaimentary speech, proposed the cordial thanks of the meeting to them, which was carried smanimostly.—Mr. HANKEY and the chairmon had forgular to state, that the dir

CLARENCE RAILWAY COMPANY.

CLARENCE RAILWAY COMPANY.

On Saturday last an influential and highly respectable meeting of the shareholders of the above company was held at the Town Hell of Bracking-apon. Two, to take into consideration the property position of the company, and to consider the proposal of raising the sum of to,000% to pay off the debt now owing to the Exchequer Lean Commissioners, as well as to confirm the resolutions passed at the special general meeting of the peopleture hold at the George and Vulture Tavera, London, on the 17th tost.

Harmy Variation, London, the ending the business of the meeting, stated the peeu-line decrementances in which the authors of the meeting, stated the peeu-line chromothores in which the employ was placed, the railway having passed into the heads of the Exchequer Leane Commissioners, who had given notice to the company of their determination of selling the whole of the property, either by public anction or otherwise, in November next, in reder to repay to the Government the vain blyaked towirds the undertaking, amounting, the facility of the directors of preventing that said of an exching interest thereon, to 113,000% the directors had, on matrix effections, mans to the resolution of said the their directors and proventing that said of an exching head on a meeting of the interested resoluting that said of an exching the said of the preserve to the standarders a bings a property which, from its progressive importyment, was excutually sure to yield to the share and boudholders a handoner resonarrating profit for the outley of capital. The undertaking had not with the most reconnecting of the follows was a transmitted by a begin a property which, from its progressive impouryment, was excutually sure to yield to the share and boudholders a handone resonarrating profit for the outley of capital. The undertaking had not with the most property of the theory blanchard parties, and very wather and propolated, which would be read to the gentlemen proponed and carried were adopted, which would be read t The result of the meeting in London was, that several resultedness were adopted, which would be read to the general-way presented as carried were adopted, which would be read to the consideration of the second of the construction of the meeting of the construction of the second of the construction of the

properly managed, the revenue of the company would be greatly augmented.

—A full and explicit statement of the affairs of the company was then half before the meeting, in which it was stated that the surplus revenue of the last three years had been employed in completing various parts of the line, discharging the finating debt incurred, and, if the proposed new shares were now all taken, that at Caristman next the company would get rid of the finating debt altagether. In the year 1038 the company would be in the receipt of an additional 7000l, per annua to their income, from the works of the new collieries, whilst their surplus would be 17,000d. This surplus would ge to pay the 0 per cost, on the preferable shares, also the 5 per cost, on the 7250 abares created by the convextion of the bood, and the balance will be divided among the 2000 original shares of the company.

A long discussion casted at to the future prospects of the company, and as to what somber of propriotors were likely to pay up their shares in full, and whether there was a probability of all the preferable shares being taken up, and other monociary matters of the company, when the statement made to the shareholders assembled was deceased explicit and satisfactory.

ROBERT APPLENY, Exq. (of Roseville) moved, and Robert Ayson, Eng., seconded, a resolution to the effect—" That this meeting will use their heat endanours to raise the requisite sum of monor immediately, by taking the preferable new shares in order to pay the Lossa Commissioners the sum advanced to the company in Government, it being highly expedient that the company should reposers themselves of the railway, nor suffer the property to be passed/from their hands, and lost by sale."—The resolution was carried unanimously, and S000l, was subscribed on the pat. Other resolutions were passed, confirming and approving of the proceedings of the meeting held in London.—A vote of thanks was given to the chairman, and the meeting separated.

We believe there is not the alightest doubt of the

paratrel.

[We believe there is not the alightest doubt of the whole of the money being subscribed, and that the railway will be retained in the hands of the company, so that the novel sale of a railway by anotion will be prevented by the payment of 50,000f. to the Loan Commissioners' debt by the 1st of No-

company, so that the novel sale of a railway by ancross was a present of mo,000% to the Loan Commissioners' debt by the 1st of November next.]

WEST LONDON RAILWAY COMPANY.

At a special meeting of this company, held at the offices, 11, Abehorch-lane, on Frislay, the 21st lust., after some opposition on the part of Mr. White and his som—the former of whom mored, and the latter accounted, an annealment to the first resolution, to the effect that 25,000% should be raised by preference shares, instead of 32,000%, as proposed by the directors, and agreed to by the evolutions. A series of casolutions were carted, confirming the raising of a new capital, by the issue of new shares.—Lord Kennington them moved the thanks of the meeting to the chairman, who, having returned thanks, the meeting adjourned.

NORTHAMPTONSHIRE BANKING COMPANY.

the meeting adjourned.

NORTHAMPTONSHIRE BANKING COMPANY.

The sixth annual meeting of the proprietors was held on Thursday week, at the Angel Hotel, Northampton, Mr. Jour. Purpre, in the chair.—Thereport of the directors having been read, a dividend at the rate of 5 per cent., without deduction for income, tax, was declared, and after providing for had debts, the balance of undivided profits upon the year, amounting to 1237?. Isa, pd., was carried to the reserved fund.—William Watkins, Euq., and Richard Hall, Euq., were then re-elected as directors, and the meeting separated.

CHANTER AND CO.'S PATENT PURNACES.

The following report on Messes. Chanter and Co.'s furnaces has been forwarded us by a correspondent, requesting its publicity through our columns; we have not had an opportunity of visiting Messes. Learmouths and Roberts' works, and personally examining the working of the furnaces, but, from the favourable accounts we have heard, are disposed to attach credit to Mr. Thomas' report.

[corv.]

attach credit to Mr. Thomas' report.

[corv.]

Having been requested to make my report of the effects of Chanter and Ch.'s Paring been requested to make my report of the effects of Chanter and Ch.'s Parint, Furances, which have been fixed to now retoms, before, under a guaranter to save fuel, and concentre emoke, I have been particularly exertain my observations, and have worked them severed days myself. The first, applied to care 7th horse their (working miles, in the square finely, was fased the first week to June, which was kept encoratantly in work until the end of Anguat, and tested against the adjoining tedler of the edge wine, with the old plan, and deleg the batter week. The furtures in the site plan consumed 18 cont., the parent can did not exceed [1 owt., predecting a motir regularity and case, and contenting the move of local eight-hartis.

I would otherwe, that I weighted the coals saywelf, for several trustements of the convertible of the coals fay thirtness bosen; these points I have been made particular to according the hart of weighted the coals saywelf, for several trustements of the according to the care of the several trustements of the coals of the coals of the several trustements of the according to the coals of the coals of the several trustements of the coals of the several trustements of the first particular to according to the desired chapter, of collaborate trustements and the care trustements and the trustement of the the operation of the first, and Mr. Charleter's plan of between an according to the several truster on the patent of the collect of the soften the country plan of between an according to the several truster plan of between the several truster on the patent of the soften the south.

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East and Thomas England and Endager of the soften the south.

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(Under this field we purpose joinfeeting such paragraphs as may appear to the pervincial and other Juvarials, having reference to discovered and dependence to infining operations of home above. It is hardly necessary to conceve, that we next not be considered to admit the correctness of the information conveyst, which, in the mean features, the admit the correctness of the information conveyst, which, in the mean features, and the want of homeony to choose, those tends of a degree of requiredistify on a Justinal in giving positivity to reports, which is desired taking upon connected.)

ing a cogree of responsibility on a Journal in giving publicity to reports, which we donot introd taking upon commerciant.

MOUNT VERNON COPPER MINE, JAMAJEA.—Dr. Aranid, in communicating to the Jossein Regal Gainette a report on this union, anys—"The district which was visited by myself, a few days ago, abounds with respect to a great extent, and at the foot of the chain of a hills, where the Mount Verson Missing Establishment has fixed upon for working the one, a small, but ample, empply of water is found. The whole of the rocks in the neighbouchold of Mount Verson are metalliferous, and at once point out the capabilities as a miching district. The whole surface of the couth-west range of hills is covered with respect over in a variety of shape and quality—the range of hills presents to the eye chilique beds of landmated atone, of sedimentary origin, fitted with Essares, charged with installiferous matter. It is very evident that the whole mountain range is righly impreparated with capper of great partity; it is intersected from the amountain the hane with voice of metal in the character of supper hapter, green and those carbonates of supper integrationd with nandations, liquistons, and quarts. These horizonthi galiests have begund it the following scale of distunces from each other:—The first is outled Drew's Gallery, which has each through the value as they dispose to enough the north, and runs absent sincept the other two—this is out all degrees went of morth, and runs absent sincept foot, a few greater per contage of copper than obers Galleries ventilating holes have here out is above the Chara Gallery and now of the modes of some as an and the misser of supper the seal of the other seals and the seals and the residence of the root the first have been even as the west of the seals of the other two—this is out all degrees went of north, and runs absent sincept foot, a few greater per contage of copper than of sea other wentlinding holes have here outlined to seal of the other scaling the seals of copper th

EPITAPH ON AN ENGINEER, IN BROMBGROVE CHURCH

his water stoke my bother fill; No water stoke my bother fill; My make affords the finance storesso My dags of mechalisces are close;

ROYAL CORNWALL POLYTECHNIC SOCIETY.

We this week make the following subcolious from the integrating of the institution, a notice of which appears is not last justice in this subcoling of the institution, a notice of which appears is not last justice in a so observations on this subject. Twelve months alone this occlety is granted a sum of money for the purpose of purening a series of experiments in his care, and the abservations be had been able to make were future in his care, and the abservations be had been able to make were future roborative of his former results. There or four acts of experiments had her tried on mines between Cambucus and Redruth, at Knat Wheal Crufty, Knat Poot, and Dolounth. The result had been the same as found in the experimental previously tried and published in this society's Ninth Report—that the direction of a current, where, the mineral load dipped to the south, had been adversally from well to east. One set of experiments third it Knat Wheal Crufty appeared to he exceedingly interesting. The connection being made between two loads rounding cost and west, one dipping to the south, the other to the morth, the current was from east to west, or from the south loads the north loads. The connection being made between the upper part of the south loads, the direction of the current was from the surface downwards, therebe completely verifying the ophision long esterations by Mr. Robert Were For that south and south holes have, at certain depths is the eath, sound and between them. He would now state nother interesting experiment tried in Doleouth—the rather interesting from some circumstances connected will the loads on which it was tried. The current in this case was found extremely rich in purple copper ore, and anyone this groun-course one anything the yellow ore discovered. This was abundantly correborative of the caperiment forms, while at no part to the west of the cross-course one anything the yellow ore discovered. This was abundantly correborative of the caperiment would are with it has acted to make the within th this week make the following solvetions from from twentie, weeking of this identication, a notice of which appeared in a

Several new facts had come out of the experiments parsued, and he hoped next year these experiments would be presecuted to a farther extant.

Mining the Genhany.—R. Taylon, Eug., read a letter from his father, John Taylor, Eug., containing some results of his observations as mining in the Hartz Mountains. It shated that the enachines there in one for raising and lowering miners continued to massur their purpose satisfacturity. Arr. Taylor had seen one of these enachines, which appeared to him inferior to that creeding at Treasecon, the platforms on which the men stand loing head and the from hope for holding by not conveniently arranged. The stroke of the reals was also much shetter than that proposed to be adopted in Leam's machine. For one of the machines of great depth it had been at tempted to strengthen the timber rode with wire sope; but it was found that wire rope, in a state of rest, some axidates. Mr. Taylor had suggested a means of proventing the axidation, by coating the iron with sine, in the amounts as iron is convent with the fact, that the principle on which enachines for raising men from mines had been quatricried, was suggested almost contemporationally in Germany and Countail, without any consommination between the fact, and that he obey moving from the one real to the other would be carried upwards no downwards according as the direction of the two pump-rode, which are always employed in their shafts when the power is derived from water wheels, saw that a body moving from the one real to the other would be carried upwards not how moving from the one real to the other would be carried upward not how moving from the one real to the other would be carried upward not how moving from the one real to the other would be carried upward not how moving from the one could be fact to first indication of the light at the interior of which he can be not the other was managed. In the miner of the two pump-rode, which are successfully to a fact inferior of which he had a head of income which he commented to

MACHINE FOR MEASURING VID VELOCITY OF THE PLATON.—This is previous massine, the lawestion of the late Unit. Tregnants, was explained in Mr. Philippa, of Techniques. It is necessity arons from the fact of the pickin moving with versable speech. Respect round the baside of a strendard lay wes function competitionals which parend under a strong of sand fawing through a small hair in the bottom of an inverted enough, as annot in an house, than Trace being connected by a cord with the piction, the whole fourteen was tracted as shown it for falling unit, in prospection to the registry of its sance ment beneath it; and it was only necessary to wrigh the deposits of the one on accordant to the weight of small. Thus, as the piction of first more ment the state of the competition of a sond. Thus, as the piction of first more above the first competitions will be fourth competitions present; and the bount weight of small; the first competitions of the fourth competitions present; and the bount weight; at the lost, the motion beginning to be retained at the wint division.

Moont, or a Canada Mills.—Comme is medicined to the con-

present is and the head wheelty at the last, the median laginating to be geteral the winth division.

Moduli of a Capia of Mills.—Crease is so difficult to stamp, that is conserv, where we made super come to had, the prior for stamping it is 74. Ins. to 166, per test density that to division shops capil can be called the present is not see along, there along the had to describe a major capit to the other presents is not see along, there fore, imagined that a moderate stand of arone. The instruction, way along eight foot is discontar, said suit proportione, and dithered a misture of had timing sind, will prefer to the proportion, and either the common stamps could peer him to the proportion to the military of had timings sind, will prefer to the had seen absorption temper could peer him to suit a suit said to 17 sell who had seen absorption temperature and such a capital that him is made to the military time pears the staff in the soft is the new relative to the property of the state of the front at magnetic time preceding, after it is property pulled and the order of the front ration is the water were it is property pulled foud. The painter were to be seefficiently appet to take an inspect to be some the new and the suit. became, are encority to make an obstand fored in the notice, astandard in equal net drawn and not lightly. The staff, therefore, easy to come the privatebous to the stains or investing of the flants; or by common of a larger of smaller elected being admixted. The units may be obtained to a major wheel, the private flants, of the a major wheel, the private flants of the constituted for smaller than a major wheel, the plants are manufacted precisely the name to that of the constitute stamping sold. This major was from Mr. John Charles, Mr. J. John Charles, Mr. John Charles, Mr. John Charles, Mr. J. John Charle

EQUITABLE GAS LIGHT COMPANY, WESTMINSTER Incorporated by Act of Parliament, 5 and 5 Victoria, cup. 55 (1842).

28 SOLD, SEVEN & LOS SHARES in this company, on which the second on the second of the

OTARY STEAM-CARRIAGE COMPANY FOR COMMON ROADS.—Capital #25,000, to be raised by a series of charce of at-set in full, the first series to be 1600, the second diffo, &c., and the holders to the serialized to all someografic issues. The perfection and simplicity traction of Seater' rotary engine holders, having overcome all the cliberation were hithertic existed to the application of desam-power to carriages on the second, have set to the present undertaking. Applications for charce to be the self-level. If American to Combillion of the second

CONTRACT FOR IRON BRIDGES.—The Liverpool and ONTRACT FOR IRON BRIDGES.—The Liverpool as Manchester Railway Company are prepared to RECEIVE TENDERS CONTRACT for the PROVIDING and evening of country IRON BRIDGES, in on smally with pinus and specification, which are now randy for isospection at the one may's office, Limestreet, Liverpool. One of the said bridges to be considered over their freedly, and others over saudary offices and Bailord. The who has no one configent. In Saint Internation, addressed to the treasurer, and endors. The saint Internation of the Invaners, and endors the Contract," south he derivered at the said coffice, or send by just so as prive there on on before Monday, the 21st of October inct.

Bailway Office, Limes-street, Liverpool, Oct. 10.

Bailway Office, Limes-street, Liverpool, Oct. 10.

B. BOOTSI, Treasurer,

R USSIAN STEEL IRON—CCND.—The undersigned having

USSIAN STEEL-IRON—CCND.—The undersigned having been superisted SOLE AGENTS for the Measurs. do Demision's in England, the love mark of from can only be obtained, through them, as 18, HIGH-STREET, HULL, and 19, AUSTIN PRIARS, LOMBON; at LIVERPOOL, they have appointed Messer. Carne and Tolo; and at PRISTOL, Measur. P. Hans and from their agents.

The undersigned particularly request all buyers of the CCND to make their purhasas through them, or through their agents, which will effectually put a stop to fraud whiching extensively practiced by suprincipled parties in ceiling a loose, roaky, stories from, with a counterfest mark of the CCND, by which man effectuary per grouply imposed upon, and the old favourite genuine mark enjusted them. The proposed good, and the old favourite genuine mark enjusted them. The proposed good, and the old favourite genuine mark enjusted them. The proposed good, and the old favourite genuine mark enjusted them. The proposed good and the proposed goo

DAVING, SIXPENCE PER FOOT.-POLONCEAU'S PATENT BITUMEN PAYING COMPANY, Esses Wharf, Strand, Lemdon This biliotises forms occoliant forth walks, garden walks, though of warrhenace blass, made houses, coach brosses, ho,, and is portionized which is hecomecute, as encoughed by percents all modetage from penetrating, effectionity sociation rats and not remain, and is also free from smell. This company has among other work London; laid the cells and corridors of the new model prinon, amounting to pure feet.—Particulars may be had on application to John Pills INGTON, Secretary.

THE LONDON GAZETTE-BANKBUPTS

TUERDAY — E. F. and R. Francell, Ablertrambury Funtare, warshousers take, Rt. John advect, drayer — T. G. Martin, Great W inclinates dweet, win hant — C. Alfon, Berjare, cactife dealer — W. Hall, Tred'system, Worendershib, I. Rainkow, Stratford upon Aron, over more hants — W. Fuch, Bristol, caker — W. Korranch, Liverpeont, bredi kenger — J. C. Rawdon, Louis and Huled, wood morehant — H. Barton, jun., Liverpoot, merchant.

PRIDAY — W. Ristris, Culier of treet, Humadolibch, carposter—M. Harria and S. Harri, Cullian et al., Humadolibch, carposter—M. Harria and S. Harri, Cullian et al., Procharch of root, see chants — D. Brandon, Beech affect which, she manufactorer—C. O'Feel, Newmann afreet, Oaked-street, pictur-aker—S. Bisepson, Southampton, watchmaker—W. Berwerth, Weilinghorough, inthamptonchier, condensationer—G. Compar. Liverpoot, provision dealer—H. Baris, Jan., Liverpoot, see the support of the processing sealer—H. Baris, Jan., Liverpoot, see the support of the support

PUBLIC COMPANIES.

MESTINGS.			
De Donatanville Mining Company 16, Birchin lane Oct.	25		2.
Tamer Silver Load Mining Cu Office, 44, Floobury Square	37		2.
Min de Ancri Gold Stream Works , George and Vulture Tecorn			
Wood Middlesea Water Works Office, New road, Marylebone New.			
Vauskati Bridge Company , George and Vulture Tavera			
Grand Union Canal , , 20, Surrey effect, Shadwell	2	****	100

Boyal Mail Steam-Parket Co. . 10f. per share. Nov. 1 ... Scharts, Curtis, & Co. -

er Bailway Company ... th Caradon Mining Co. .. 12f. 10a. pot share, East Curawai Bank ..

NOTICES TO CORRESPONDENTS.

news Javanak it regularly published about Two o'clack on helardny after at the after, 1, Evans court, First street, where it can niways be obtained you to no conquisities in its supply, in town, other than negions on cell of the agent through whom it is a referred, but, as courted its transities of country subservies its transities of country subserviers, the biome is chared with the Pust after authorities.

The Runes Generics of the interest of Mr. C. Williams, which should have appeared in our advertising columns, will be firmed under the local of " Original Correspondence," the constraint tender the local of " Original Correspondence," the constraint tender addressed " to the Editor." Conservant Brotas Conservant Sectors — We are industrial to one consequence of the presentations at the early transmission of a cupy of his very conformagents of the presentations of the scalety, but the presentations of our columns prevents it being availed of.

whave to arknowledge the receipt of several Jamaics papers, with info respecting the Mount Version Mining Company.

THE MINING JOURNAL, Mailway and Commercial Gaiette.

LONDON, OCTOBER 22, 1842.

Having, in the last three Numbers, noticed the pamphlet of Mr. Basser, and endeavoured not only to establish the correctness of the grounds on which we ever opposed the Tariff, as affecting the mines of this country, by the introduction of foreign copper into our home market, and at the same time to point out those anomalies which appeared to us to prevail throughout its pages, we now resume the subject—the importance of which can alone be pleaded by us as an apology for the space occupied—the discussion, also coming now too late, were argument of use, or facts taken, as conclusive evidence—which, we regret to say, was not the case when the question was under the consideration of Government. Had Mr. Basser at that moment published his "observations" would have done some "service to the state 4" his "observations" would daubitiess, have called forth remarks and comments, when the fallacy of the arguments brought forward by that gentleman the fallacy of the arguments brought forward by that gentlements would have been established, and his statements refuted; but now that the time has gone by when any henefit can be calculated upon

that the time has gone by when any henefit can be calculated upon by a discussion of this nature, it would appear almost a waste of space —were it not right that Mr. Banny's observations should not be assumed, in the absence of any roply, as conclusive.

"The greatest danger to be feared is from the importation of the poorer ores," Buch are Mr. Banny's words; and yet that gentleman commends the prudence of the Minister in adopting a sliding scale, which gives encouragement to the import of "the poorer over," from which "the greatest danger is to be feared."

"But (says Mr. Banny) may we not, by imposing, or retaining, a high rate of duty on cooper over brought into this country, compet the importers, many of whom have English capital at remaining, and English energy and intelligence to direct the application of it, to try whether they cannot dispense with our labour in cation of it, to try whether they cannot dispense with our labour in the smelting as well as in the manufacturing it?" We admit, elled the importers by adapting each a concer, we should have compelled the importers to seek another field, where they might corry on smelting operations—that is, provided the duty we imposed was so high at to remake it a probabilism to the admiration of foreign ore, and that other completes would afford them facilities for emolting their ore on trems more advantageous than Kogland.

wever, be recallected that the depotations who waited on the Minester cutered fully into this question, and chearly demonstrator that a productive duty of \$4.100, would not "compet the impactors" to such abroad for those facilities and advantages which this course it being acknowledged that such were not to be aral, while the extra freight and insurance on the metallic copper s been market woodd, at least, have been an additional pro-on, the impurity of raiser of foreign over being andiected to an targe of an locat of 100, per two on his capper smelled to should also be remaindered, that the calculations were arise on the exemperation that parties were to be found who would he their capital to Bulgium or obserance, and cover conting ex-terior capital to Bulgium or obserance, whose operations advancate for two or three mining companies, whose operations at the of a limited mixture—who bereafter might think fit to et weel a f their own, or avail themselves of these advances in

science, which we daily witness, by smelting their own ores on the spot. On the other hand, it is to be observed, we have works here already erected, capital already raised—that employed by Messrs. Williams and Messrs. Vivian and Sons, amounting to nearly a million sterling, not to advert to Messrs. Pascoe Garnerell, and Sons, Sims, Nevilla, Druce, and Co., and the Miraka' Campany. In this country, where we present more than ordinary COMPANY. In this country, where we possess more than ordinary facilities, with a vast coal-field, established works, ready access, and facilities, with a vast coal-field, established works, ready access, and another capital, we may defy other countries competing with us on anything like equal terms—in that constituted our safety, and formed the groundwork on which we upheld the working miner, without, in any degree, by our advocacy of his interests, detracted from the claims which Mr. BASSET sets up for the smelter and anufacturer.

manufacturer.

Mr. Bassar inquires, "whether we should not, by a superior and enlightened policy, endeavour to secure to ourselves the advantages to be derived from both these operations combined, rather than live to see, by a stubborn opposition to all abatement—as we inevitably should see—foreign copper, both wrought and unwrought, brought to this country at a price much below that at which we could supply it ourselves?" We must confess we do not see the force of Mr. Bassar's argument. He says that if we do not let in the foreign ore to be smelted here, by removing or abating the former duties, it will come into this country in the shape of wrought and unwrought copper under the old duties. "much below that at which we could supply it." This is to tell us, that, with a protective, or that which has been considered a prohibitory, duty, wrought and unwrought copper could come into hibitory, duty, wrought and unwrought copper could come into this country and overwhelm us. To do this they would not only be subjected to the extra charge on smelting abroad, but to the old duty on metallic copper, and not copper ore, so that their profits must be enormous, and which, under any circumstances, if realised, must annihilate the mining interest of this country and the Sister Isle. Indeed, it is quite clear, that the foreign miner would have still continued to smelt his ore at a fixed rate of duty per ton on the copper smelted, provided that such duty did not exceed the difference which he would have paid elsewhere, not to advert, as we have already said, to the difficulty he would have found in obtaining equal facilities elsewhere for the accomplishment of his object. Mr. Basser, in declaring himself to be "no free trader, either by birth or education," observes, "that no lords of mines have been more ready to assist the miners of my native county than the members of my family "—and none are there who are more willing than ourselves to admit the justice of the remark. The name of Dr. DUNAYANVILLE will ever be remembered with grateful and affectionate feelings by the working miner, as will, we feel assured, all those descended from or related to him; the best evidence that could be afforded of the high sense entertained by the county of the amiable qualities and the distinguished liberality of that esteemed nobleman, is to be found in the monument crected to his memory on Carn Brea, and the Charity which bears his name, and which will be handed down to posterity, as evidence of the regard in which he was held, and affording, as it does, an inducement to others to follow in his steps. We do not feel that any apology is necessary for thus diverting from the direct question, but we feel it a duty we owe to Mr. BASSET, not only so to express ourselves with respect to his revered relative, but also to avow our convicwith respect to his revered relative, but also to avow our convic-tion, that no gentleman in the county is more deserving of being held in high estimation by others, from the lord of mines, the land-holder, the mine adventurer, and the leaseholder, down to the working miner, the fisherman with his sean, and the agricultural

working miner, the fisherman with his sean, and the agricultural labourer, than the writer of the pamphlet, whose character is too well known in his native county to call from us any eulogium on his merits. But, to return to the question.

We pass over the remarks on the sugar duties, and the result which may be calculated upon from Sir R. Purt.'s liberal policy. We then approach the silk trade, which we are told is a memafacture, very highly protected up to 1835; the article then produced was poor—the prohibitory protection was withdrawn, and thence-forward the manufacture began to flourish;—in the same way hread-clath, which was at one time highly protected, a similar forward the manufacture began to flourish;—in the same way broad-cloth, which was at one time highly protected, a similar result attended, encouragement being given to the English manufacture. The West India interest also is again brought under notice, and the use of the plough, instead of the hoe, put forward as one of the advantages realised by liberal measures. But, we would ask, what does all this prove? what is the real bearing of the argument adduced? Do we not import the silk as the raw material, while copper ore is the produce of our mines? Are we not indebted to other states than our own for wool, while our tin is a source of national wealth? and is the employment of machinery, such as the plough for the manual labour of the hoe, to be considered as a case in point? Were we to suppose it possible to get and raise the ere without manual labour, but dependant alone on machinery, our position would be far less strong, for although we machinery, our position would be far less strong, for although wa might, even under such circumstances, advocate the application of English capital to our own mineral resources, yet we should not have that claim to consideration which we hold to be paramount to all others—viz., that of affording employment to an intelligent and laborious class, comprising the working miners of the United Kingdom. Mr. Bassur, in referring to broad cloth, contends that the English manufacturer, being forced to exert himself to compete with foreign products, did so successfully, but we would all the english manufacturers of the compete with foreign products, did so successfully, but we would ask that gentleman in what manner we can improve our ore, so as to render it superior to foreign? To continue this line of argument it is necessary to recapitulate Mr. Bassey's words—" I might easily multiply these instances, but I have said enough, and trust to lead any unprejudiced mind to hope and expect that what has already happened in these will happen in the instance of all our Cornish mines, and, by a better economy in our mining opera-tions, we may hope to see our produce obtained on easier and less

This, we submit, is a censure on the agent, the engineer, a the miner, although we can believe not intentional, for we believe that it is admitted on all sides, machinery is more perfect, agents are at least as intelligent, and the working part of the population as industrious, as in any part of her Markery's dominions. industrious, as in any part of her Whence, then, are we to expect any reduction? Cortainly in the dues or royalty exacted, and we trust Mr. Bassary will Certainly only vene a meeting of the lords of mines, and submit his proposition of raising ore "on easier and less expensive terms of raising ore "on easier and less expensive terms sideration. We cannot doubt but that, seeing the working mi-sideration. We cannot down "lawer than he is, they would red-maild not be " ground down " lawer than he is, they would redonly chance, for, we believe, engineers and agents their dues, as the do their duty, and are not too well pe

Already have we so enlarged on the subject under discussion, that we fiel it sunscensely to add more than an extract at the close of the pumphlet, in which Mr. Banner states—" Had I been in Purlument, and given my appared in favour of the Tariff, I should have done so on the reliance I place in the judgment of many practical men of business, who think 7f. 10s. a sufficient perfecting day for the purpose contemplated." How this expressed minimal duty for the purpose contemplated. How this express ed opinio se which precede it, in declaring the convictor the writer that the Minister "has acted with predence upon the principles of commercial freedom," we have our readers to determine. A reference to the Turiff itself, and the encouragement afforded to the introduction of the poorer ores, will convence them that, had Mr. Hassary been in Parliament, he would have served the miner much more than under present circumstances brutions are calculated to do.

In thus expressing correcties, on reviewing the paraphlet of Mr. HARRET, we have only to express our regret that we cannot arrive

at the same conclusions which we have reason to believe actuated him in giving expression to his opinions. If that our language, at the eventful period of the Tariff being under consideration of Parliament, may be deemed as being "too strong," he must, at least, admit his arguments are "too weak." to support the Ministerial measure. In conclusion, we have only to express our sincere hope that he may be right—that we are wrong.

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It is with regret we learn from the proceedings of the Geological Society of Cornwall that Government has afforded an additional proof, in an individual case, of want of sympathy with the mining interest—an interest which by them has not only been neglected, but wittingly injured by their acts. We refer to the case of W. J. Haswood, Esq., F.R.S., which we shall enter upon fully in our next—a gentleman, to whom the mining world is so considerably indebted, and who, for a number of years, has devoted his time and attention to the geological and mineralogical features of Cornwall

indebted, and who, for a number of years, has devoted his time and attention to the geological and mineralogical features of Cornwall. We cannot better, perhaps, illustrate our remarks than by quoting the words of Mr. Henwood, on the occasion to which we refer:—All Governments had treated the miner as their fair game, on whom they had a right to prey without the obligation of feeding him. His supplies are taxed, which his produce is unprotected. Scarcely a branch of productive industry but had its commissionness in foreign lands trying to discover improvements which might be beneficially adopted here. But nothing of the kind had been yet done for the miner. It was on the representation of the late respected Davies Gilbert and Mr. Pennanyes, Mr. Pennan, and several other members.

BEST, Mr. PENDARVES, Mr. PRAED, and several other members of the Geological Society, that Mr. HEXWOOD was nominated "Underground Surveyor of the Duchy Mines;" but we will not "Underground Surveyor of the Duchy Aines;" but we will not anticipate those comments which we propose making in our next week's Journal. Mr. Hanwoon is recognised by all as a zealous and industrious labourer in the field of geological and mineralogi-cal science; his work, to which he has devoted the past fourteen years, is, we are glad to learn, in the preas-perhaps earlier than the author could wish, for our belief was, as said by a friend, "that he would die in harness" he would die in harness

LECTURES ON GEOLOGICAL MINERALOGY.

LECTURES ON GEOLOGICAL MINERALOGY.

Don Wednesday, the 18th inst., Professor Tennant delivered his second lecture at the King's College. The Professor Commenced by informing the students that Crystallography would be the subject of the lecture; he then explained the meaning of the word "crystallisation," stating that if salts were dissolved in certain solutions, and those solutions gradually cooled, crystals would appear, and take certain known forms, unless prevented or affected by secondary causes. One example of the action of secondary causes was shown in fibrous carbonate and sulphate of lime, which form it took instead of its true crystal, in consequence of the matter being confined, and freedom of motion prevented. Let a quantity of chloride of sodium, or common salt, be dissolved in pure water, and after evaporation the crystals would assume a new form. Several very beautiful specimens of different salts crystallised were handed round the room, as well as a fine specimen of bismuth, crystallised by art. The affinity of crystals for rough substances was alluded to, the Professor stating that if a solution of alum were placed in a glass vessel, and allowed to evaporate, and a rough substance, such as, a piece of cinder, introduced, the crystals would not deposit themselves on the glass, but upon the cinder in preference. He stated that the property of crystallising was by no means confined to a small number of bodies; nearly all the different species of simple minerals, and some inorganic bodies; nearly all the different species of simple minerals, and some inorganic bodies; nearly all the different species of simple minerals, and some inorganic bodies; nearly all the different species of simple minerals, and some inorganic bodies; that many other natural bodies, not hitherto observed in the state of crystals, would, under favourable circumstances, undergo a similar process. The limits preseribed by this introduction would not permit of many remarks on crystallisation as a chemical process. It was to be re stances, undergo a similar process. The limits prescribed by this duction would not permit of many remarks on crystallization as a che process. It was to be recollected that affinity was of two kinds—by the control of the control o geneous and beterogeneous; the former of which units particles of the same kind, the latter particles of different kinds. Now, it is evident that the production of a crystal depends on the action of homogeneous affinity. Light had great influence in crystallination, as was exemplified by the campbor on the bottles in chemists' shops, which, as would be always seen, formed towards the light. Some saits would not combine in crystallination, as, for instance, nitre and alum, for although the two were dissolved to the combine of in the same vesset, yet, on evaporation, the nitre oppeared in its own crystals, and the alum in its proper form. The distinguishing minerals by the form of the crystals was difficult, lossmuch as some of them (calcarcous for instance, which appears in a great variety of form) appeared in forms, and many substances took the same crystal form; other size had then to be called in, such as the degree of hardness. The ring is the table at present recommended, but several gentlemen are shouring to render it more parents. ng is the table at present recommen-souring to render it more perfect :-

TABLE OF HARDNESS.

Thus, 366 minerals can be distinguished by their hardness. To rende the table explicable, it was necessary to explain, that the first figure, a No. 1, showed the degree of hardness of tale—there being twenty-three minerals which can be distinguished by its relative hardness, when comminorals which can be distinguished by its relative hardness, when compared with that mineral; of the second degree of hardness, as gypsum, there were ninety of the same bardness, and so on, but the student must be careful to distinguish between hardness and toughness. The Professor then entered at some length into the different systems of crystallography, very lucidly explaining the same—viz., the cube, the octahedroon and others belonging to the Tesselated System, but which it would be impossible to report without the accompaniment of the heautiful diagrams and mossiels with which the lecture was exemplified.—[The next lecture will embrace specific gravity, electricity, magnetism, and use of the blo-wpipe.]

TREELVEAN MINE. - We are authorised to state, that the machine for

THERVERN MINK.—We are authorised to state, that the machine for letting down and drawing up the miners will be quite ready to work in Saturday, the 29th inst.

Four. Are in Minke.—Mr. Hardiman, the gentleman who made reverse experiments with Dr. Payarme in the diving-hell over the work of the Boyal George, at Spithead, has been trying after experiments at the Royal Pulberou Consols Mines, in St. Agnes, with the newly-invention method of partitioning the sir. The experiment was made at a dopth of shout 700 feet below the surface, and where the sir was previously so vitiated that no person could approach the place (a rise nine fathems show the level), a powerful sir machine attached to the engine rads was put be work some time ago, which havely farnished sir for three men with cardiles to said. The method of purifying all was brought into action offer this air machine had been though our of mar, and although there were of that time no less than fifteen men with candles in the rise, the sir in the miners was an renorated that all herathed with comparative case; if improvement was even visible, inascench, that where three consider wet. until then with difficulty made to burn, tra or more now burned from as a farther test, two holes were blasted, and, under the old method, man could approach the top of the rise until half an here after the explains, and, in come cases, longer, but the machine so quickly dissipall the smoke that in free misories the new were at their work, broathing of comparatively pure, and refreshed with the additional advantage of held as coul as at the surface, although these were, as before stated, follows so

New Youn Strawen "Barrens Quanu,"-We are informed by Limites agrees of this steam-ship, that orders have been seen out to? York the her set to leave that port helier the 10th to the 12th teat, stead of the regular day, the 7th—this being her last voyage this see We are requested to make this amountainment, in order to transposition public mind, as she would, in the regular contur, he due at Cowen of ta-day, the Eld, whereas she is ant to be expected for five or six days less Salvane or yes." Transages,"—We have been informed, on p

authority, that the first attempt to weigh the weark of this wasn't washe on the 18th hast, which necessible, the first resistance having ever-tone, and the whole mixed apears of two first. A deputy Paris is on the spot, wanthing the progress of the work, and the English Customer him although prepared a place to deposit the expected trees of Customer him although prepared a place to deposit the expected trees

crystallic Carm he Sin,chances o them by of this s all the es timple-m too late to the whole with the terest the if you wil the action actuated, power ver sharpholds selves, are dence, afte tion as to distud in 1 ledge of a clients. Baker, by they do no ferent terr chase with low and hi Wood (say that them

wad his fac defeaded to

ORIGINAL CORRESPONDENCE.

ORGANIC ORIGIN OF SLATE.

Sin,—In the Mining Journal of the 24th of Sephember I read a short notice by a correspondent, with reference to an article published in one of the Quartery Reviews, entitled "Scriptural Geology," detailing his discoveries of certain kinds of slate, being principally, or shelly composed of oceanic vagetable bodies. Every fact of this nature ought to be carefully treasured up by those who are ambitions to attain a right knowledge of Nature, and to step depond the homolary marked out by those who are the beautiful and illimitable field before them, and yet dame out, within it to the chain of cidence, entering the chain of the control o

Combridge, Get. 19.

TALACRE COAL AND IRON COMPANY.
TO THE EDITOR OF THE RITHING FOURIAGE.

SIR,—There is, in the very nature of fraud, a principle which, even antecedent to its execution, as well as during its progress, weighs the chancers of success and the difficulties to be encountered, and provides for them by hedging round the imposition with every means of accurity that camping device can command; nor have the arrangements and conducting of this company proved the exception to the rule, for here we find all the executials of this principle so carried into practice, that plain and simple-minded howerty had no chance of discovering the disception, until two late to retrace its steps. If you are enabled to by before your readers the whole of the transactions relative to the bills of Mr. Levisson, tagether with the manuer to which Mr. Howard, of Cheltenhau, acquired an interest therein, the doplicity practised will be exhibited in perfection. This matter is now the great stoubiling-block, but I contrain little doubt that, if you will give your advoncy, the mingled skein will be unraveiled, and the actions of the persons concerned, and the motives by which they were actuated, laid here to public view. To have a fair exposition of this may present out will, at beset, set them right with one or two of the Irish shareholders, who, while they have not the spirit to seek justice for thomselves, are sufficiently ungenerous to blane them for heatowing a confidence, afterwards found to be understread from the spirit to seek justice for themselves, are sufficiently ungenerous to blane them for heatowing a confidence, afterwards found to be understread from Means, and a rest my questions as to concensioned by the solicitor, which had been as strongly required as in the satisfact, and was equally aware that he was moleaning his elients. The property having been purekeased from Means. Levason and Baker, by Wood and others, the latter were bound to pay the amount; they do not do no, but, forming a company, will the said p that these monies are owing by the company. On the first day Chapque-hew attended the board a hill for little, was advised to be renowed, and subsequently others also; upon some of these Wood had previously been subsequently others also; upon some of these Wood box prevents and they were his own fishtities, but he permitted his unfortunate closed to become respectable for these very hills—its be used upon them, and his farniture to be said to satisfy the judgment against him. He was defended by Wood, when, as you may suppose, for, was not on fortunate

in defending his client as he was when the suit was against himself. In another case, of a precisely similar nature, and the result the same, the money was berrowed, hoping to avoid a prison, but, as the sequel proved, it was a vain hope—indeed, the inscription of the Italian over the glossay regions, might not inappropriately he used by those esjoled into this company—" Whoever enters here leaves hope behind."

These transactions all relate to the bills given to Baker, and, though difficult to characterise in terms that befut the baseness practised, they are "trifles light as air," compared to the case in which I now claim your helping hand. To enter into this now would be eccapying too much space in your valuable Journal—I trust to be favoured with a conner another week—I shall merely allude to the fact of concealment and deception (which has been so streamounly denied by Adderman Wood) being practised to such an extent, that on two different occasions returns were made by the secretary (W. Weston) to an order of the board, entered on the minutes of the company, with a view of arriving at a real knowledge of its difficulties; and in both those returns Mr. Levason is entered as a creditor of the company for 15,000L, Wood being present, knowing that the debt was his own, yet never even objecting to the return as incorrect, much less declaring its faisshood. That no error may arise as to these returns, I have written to a friend to call upon you with them, so that the accuracy of the statement made to me may be accurationed by you before publishing.

Great Russell-street, Bloomsbury, Oct. 13.

We have seen the accounts alluded to, and are satisfied of their correctness.]

MR. SAMUEL HALL'S PATENT CONDENSERS.

TO THE ENTOR OF THE MINING JOURNAL.

MR. SAMUEL HALL'S PATENT CONDENSERS.

MR. SAMUEL HALL'S PATENT CONDENSERS.

TO THE EDITOR OF THE MINING JOURNAL.

Sia,—In the last week's Number of your interesting Journal I am struck with two extraordinary statements respecting the merits of the above condensers. At page 333 you state as follows:—

HALL'S CONDENSERS.—We are given to understand that Mr. Samuel Hall's condensers are now being applied by Mesars. Mandslay and Field to a pair of new engines, of 27th-horse power, to her Majesty's ateam-ship the Bired Engle, and also by Mesars. Seaward and Capel, to a pair of engines, of 62th-horse power, to her Majesty's often-frigate Processes.

La core from these Mr. Charles Wise Williams advections as follows.

In your front page Mr. Charles Wye Williams advectises as follows:

Thus the first fourteen years of my business life were passed in the best school of the sterile and practical chemistry and mechanics, while the last nineteen (as originator and manager of the Dahlin Steam Company) have been devoted to the progress of steam navigation, and particularly to what belonged to engines, both are, and fornaces. And here I may add, however harship it may amond to Mr. Hall, that it was this very education, and not the "study of the law," which fortunately enabled me to forsee the practical diadvantages of like "patent steam-on gine condensers," the unfortunate adoption of which, by the three directors of the st. George Steam Company justee paring Mr. Hall shows ofmel, produced by its utilizate failure (though at first it offered favourably) mich inconvenience, and a loss of above 20,004, as stated to me by one of those directors. It was this education, and the experience it produced, which enabled me to steer clear of the plausibilities and syrme indocements of Mr. Hall, and rusist his importunities for the adoption of this very patent condenser.

Feeling interested in this important subject, I have made acone inquiry how far your information is correct, and find it to be a fact, that Mr. Hall's condensers are at this moment being applied, as you state, to the Admiralty steam-ships, and by the engineers above-mentioned. The party of whom I inquired gave me the enclosed copy of a report made by Sir W. E. Parry and Messra. Ewart and Lloyd upon Mr. Hall's condensers, which I think you will consider an interesting document to lay before the public, and a strong contradiction of Mr. Williams' statements. Londow, Oct. 17.

A Constant Raadea.

[The report referred to we will endeavour to insert in our next, it being of In your front page Mr. Charles Wye Williams advertises as follows

before the public, and a strong contradiction of Mr. Williams' statements.

Londou, Oct. 17.

A CONSTANT READEM.

[The report referred to we will endeavour to insert in our next, it being of too lengthy a nature to occupy space in our columns of this week. It is right, however, to observe, that it hears out the assertion of our correspondent. We are happy, at all times, to devote both space and attention to subjects of this nature, but we cannot be expected to occupy our columns by the insertion of matter interesting only to a portion of our readers.]

ON WATER-WHEELS.

ON WATER-WHEELS.

TO THE EDITOR OF THE MINIMU JOURNAL.

Sta,—I beg to say that the calculations found in the Practical Miner's Guide, on folio 87, are as follow, viz.:—To find the power of the lever—

46 ÷ 2 = 23 — \$\frac{1}{2}\$ or 3 = 20 ÷ 3 = 6 · 66 × 6250 = 41,625. By this rule a

12 foot wheel will be—12 ÷ 2 = 6 — \$\frac{1}{2}\$ or 0 · 78 = 5 · 22 ÷ 3 = 1 · 74 × 1614

- 28 · 08, or from 23 to 24 per cent.

Wheal Lapse calculations are:—12 ÷ 2 = 6 — 3 (N B)—3 ÷ 3 = 1 · 00

× 1614 = 1614, or from 13 to 14 per cent.

Surely, Sir, this is enough to convince any one in his right senses that the absurdity is not in the Practical Miner's Guide. I have calculated literally from the role there given, and shall leave it to the intelligent readers of your valuable Journal to determine the value of Mr. Budge's rule for finding the power of water-wheels.

P. V. W.

Caracreon, Oct. 17.

P. S.—1 would recommend Mr. H. Peaberthy (in offering his services to meet for a trial) to fix the standard at 30, as the offer might be more likely accepted than by maning the unprecedented rate of 50 per cent.

LAW OF PATENTS.

LAW OF PATENTS.

TO THE ADSTOR OF THE MINEMO JOURNAL.

Sin,—Perceiving in your valuable Journal a letter from a correspondent, wishing to know what benefit can be derived from entering a cavent, I venture to enclose the following extract, from Measure. Robertson and Co.'s Instructions to Insteading Patentees, which appears to me to give all that can be said on the subject, in a few very simple and comprehensive words:—

that can be said on the subject, in a new very sample of the protection it will afford you be very aligned. It will callide you to a notice of every application made for a passed lakely to clash with that you conformalists taking out, in sufficient time to oppose it; but it will not give you any right of priority ever the persons so applying, indicated you can show that he has shown it from your can show that he has shown it from your considerable easy to do, when two marries appear to have hit on the came invention, independently the considerable collect, the practice of the law officers of the Crown is to allow a patient to go out in favour of the two pointly.

Linarhouse, Oct. 19.

[The "Instructions" have been transmitted us, and appear to be clear and comprehensive, but we have not yet had time to preme them with the attraction we could wish. A notice may appear in our next.]

BIR.—In your Cornish ENGINES—UNITED MINES.

To the Editor of the Minimo Jouanal.

Sin.—In your Cornish rangine report of least week I observe Taylor's engine, United Mines, doing 107,494,580—Can you, or any of your numerous correspondents, inform me as to what improvements or advantages this engine has over others, the best of which are not doing more than 76,000,000, except Sim' combined cylinder, which the reports put forward ought to exceed all others?

Oct. 18.

Dinnw.

THE MACCO.

THE SMOKE QUESTION—MR. C. W. WILLIAMS AND MR. HALL. TO THE EDITOR OF THE MISTRO JOURNAL.

SER.—Will you allow me to make a remark, re-pented, open the controversy between Mr. Charles Wyo Williams and Mr. Somed Hall? The former gentlemen states as follows, in his advertisement in the Mining Journal of the Sch lost.:—

From the above I looked forward to a scientific controversy of great public interest, and of considerable length, as Mr. Williams says the "tool dispute is only on the threshold." You will easily judge of ony surprise and disappointments, when eagerly opening your last work's Journal, and expecting a scientific treat, I stud Mr. Williams' advantaments, dated Dathia, October 10 ; I had the patience to read it through, in loopes of feeding remediating of "a accountile nature" concessed among the toses of irrelevant matter, of which I was accorded to find it wholly commissed.

It is not for me to become the advance of either Mr. Williams or Mr. Hell, but I mean say that I was much accounted at the two fullowing points of Mr. Williams (antibengraphy):—

"I contend on my agrees at a colline purely of the lower bisecting trade in fre-

purity of Me. Williams (untillering tapley) ——

I restormed on my surviver at a collision present of the lower binarching tracks in top.

I restormed on my surviver at a collision present define one processes, and whoch there are restored a great remarkation and happenback changes in the track—that the productions are with restormed and during one a superscition-ratio, testing blanked on other channels are substantiated and present channels and applications are substantially and the superscition and applications and applications are then collect the engineering for the substantial part of the superscitions and the argument of successful applications are the successful and the argument of successful and the superscitions are substantially and the substantial part of the successful are superscitions, the first break part after any account to the substantial of the Sharkhillense Lancottics, the first break part of successful assuments takens a definition of the substantial stants of a thought the substantial and the substantial are substantial and the substantial and

but from him I derived not only my first knowledge of what he named 'caygen,' had my attachment to chemical studies, for which I have ever thanked that perspicence writer and able master."

In the first place, silow me to ask, in it not extraordinary that the first book put into the hands of Mr. Williams was that of the illustrious Lavolsier, and that he should, of course, have acquired such a depth of chomical knowledge as is requisite to understand that author without having to submit to the usual requisite labour of wading through elementary chemical and scientific works; however, I do not pretend to cast a shade of doubt upon Mr. Williams' statements, for it must be admitted that in most pursuin there are precaclous geniuses, who leap over all the difficulties which oppose themselves to ordinary men—witness Jedidiah Baxton, who made such wonderful calculations, although in other respects he was but an idiot.

Although I am not at all surprised at Mr. Williams' astonishing knowledge of chemistry, I confess I am a little so at his cost knowing, with such extensive knowledge, the difference between asygenated surristic evid and aryomeriste of hime, the latter being a combination of that acid with line. I repeat, that he distinctly states " 'my first chemical' and practical information was obtained in attending to the manufacture of this material, which was then called the asygenated surristic acid, afterwards the asymmeriste of line.

I thought Mr. Hall was unreasonably severe in stating as follows, in his letter of the 5th old., to Messre. Caister and Crompton:—

"If I were grited with Mr. Williams motosty, I should tell him, and with great truth, that I has forgotten mare of chemical and mechanical science than he ever knew, or ever will know."

Again, he says—

"The catreme modelety of Mr. Williams will perspended by a perspinal forth."

Again, he says—
"The catreme modesty of Mr. Willams will perpetually keep peoping forth. I not think be will almost that any other mortal but himself knows even the conductor of a neutral salt."

However, from the above instance of Mr. Williams' chemical know-ledge, I fear that worse than Mr. Hall's statement is the case, and that Mr. Williams actually does not even himself know the difference between an acid and a scutral salt!! I have a good deal more to say respecting Mr. Williams' letters, as well as those of Mr. Hall, which I shall communicate to you in the event of your doing me the favour of inserting the foregoing in your next Journal.

Manchester, Oct. 18.

Menchester, Oct. 18.

MR. HALL'S CONDENSERS—ST. GEORGE STEAM COMPANY. TO THE EDITOR OF THE MINING JOURNAL.

SIR.—Being interested in the St. George Steam-Packet Company, my attention has been called to that part of the advectisement of Mr. Charles Wys Williams, in last week's Mining Journal, in which he states that the above company has suffered a loss of 20,000/ by the adoption of Mr. Hall's condensers. Will you allow me to ask Mr. Williams, through the medium of your Journal, whether the circumstance of the removal of the St. George Company's atenuer from this port to Liverpool, in order to ply between that town and Dublin, in competition with the City of Dublin Steam Company (of which Mr. Williams is the managing director), is not the cause of his aiming this blow, for the purpose of hitting the St. George Company as well as Mr. Hall? An Instantant or Hull. Hull, Oct. 18.

THE ARTESIAN WELL AT GRENELLE—THE PARIS BASIN.

in Steam Company (of which Mr. William is the managing director), is not the cause of his aiming this blow, for the purpose of hitting the St. George Company as well as Mr. Hall? An Inhantant or Hull. Hall, God. 18.

THE ARTESIAN WELL AT GRENKILLE—THE PARIS BASIN. Your and the Mining Journal some time since will be found the interesting conjoint remarks of Mears. Cavier and Brougniart, on the farmations of the Paris basis; not agreeing with these gentlemen in their conclusions, you will, perhaps, permit me to traverse the same ground with them. Mears. C. and B. observe—"O no considering all the strats from the chaik upwards, we figure to correctves, first, a sea which deposits on its bottom an inaucase neas of chaik and molinecous animate of particular kinds." This chaik formation, and the species from and by which the chaik is produced, demonstrate an era of production of occasio organic species, uninterrupted for many generations, and disposed within the traject band, the analogous strats being disposed in chains of hills, as well as in extensive valleys and troughs throughout the greater portion of Karope. "It stops abruptly—the sea retires—waters of another kind susceed it." This is applicable to the locality rivers have formed within the main isnd, and have carried down into the basis, periodically, terrestrial plants and animals, which, uniting with the marine soil, produces at sats of confused charactor, reds of liquity, and other products, the waters, by their vulnes, imparting a degree of freshines to the sex water to the extent of the phenoisens manifest, and exterminating the species thus exposed to the sudden cruption of matter inside at them. "Soon, however, another sea, producing new kinds of inhabitants, and feeding a prodigious quantity of shell fain, all different from those of the chalk, return to over the clay. It inguites, and its shells." Here it appears that the causes of destruction previously noted are removed by a local or general calcin, large Traits of the desert sell over which they

-persons action and occasio life only can prohim they are of an other nature, her as in any difference as to factor of delay, or the wording of the patients, these will now requisite intensations that it is twenty as are established, every bod of liquide, every bod of regulation marks, and also revers us are sent established to be investigated interest, and of real investments with the patient of months of the sent time over real dispute in only on the throughout with the sent on the sent on the throughout in the sent of the sent only in the sent on the sent of the sen means toy, to a truly obsciousney of no origin; has and measurement of the manager force origins his waters, and the valley seed plains gradually \$10 aprivate prices of the manager force origins as cortes of deposits periodically or consulty desponed; then it is, and the manager of the mana

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Soping terrestrial plants and animals, the natives of a tropical clime. If, then, it is impossible to generalise from small localities, without vary careful and numerous experiments and observations, how impossible sadd it be to build this whole planetary body upon, comparatively speaking, as almost exact of it.

omic part of it.

London, Oct. 14.

MR. SAMUEL HALL'S SHOKE-CONSUMING PATENTS.

MR. SAMUEL HALL'S SMOKE-CONSUMING PATENTS.

YO YME REFURE OF THE MINERS JOURNAL.

SIR,—I am exceedingly surprised at Mr. Charles Wye Williams's letter of 10th inst., insected in your last wenh's Journal, for it does not contain, as it appears to me, one single paragraph relating to the real matter in dispute between that gentleman and Mr. Samuel Hall. I conceive the subject of the controversy to be the respective merits of the putent methods of those a mo gentlemen, for the combination of cost without smoke, and the priority of their inventions, pro- ded there he say similarity between them, and that they interfere u.th each other. I am led to make the above observations, from having this day received a circular from H. Austin, Esq., 20, Bedford-street, Srand, Hon. Secretary to the Committee of the Metropolitica Improvement Saciety; I have, in consequence thereof, carefully investigated the correspondence of the above-mentioned gratifesson, as inserted in the recent Numbers of the Mining Journal. The plain questions appear to not be simply those—are the apparatus and means used by them similar to each other, and, if not, which of the two matheds is the heat? Het, supposing there is any similarity-between them, which of the gentlemen is the prior inventor and patenter! for it is them, which of the gestlemen is the prior inventor and patentice! for it is necessary that the public should be put in possession of this information, to govern them in making their arrangements respect og the patent rights. I am surprised at the circumstances of Mr. Williams's repeatedly asserting that Mr. Hall had no potent in 1838 (as well as in 1836), and at his leg that Mr. Hall had no patent in 1838 (as well as in 1836), and at his even calling on you to correct the eletement you made to that effect in your Journal of 17th ult., and, at the same time, stating that Mr. Hall's second patent was taken out in 1811. On that gentleman's referring you to the Inrulement Office for the date of the patent in question, I think the least thing Mr. Williams could have done, was candially to have admitted that he was in error; but instead of doing so, he keys : I the blame of his ignorance upon Mr. Hall, and asks how he (Mr. W.) or the public were to know of each patent? Surely Mr. Williams need not be told that he and the public had only to inspect the lists of patents published monthly in the Missing Journal, the Repertory, the Lowdon Journal, and many more pariadical works, or to have expelled to any pottent agent on the arbitet. in the Minday Juarmal, the Reportory, the Landon Journal, and many more periodical works, or to have applied to any patent agent on the subject. Mr. Williams even goes so far as to say that "the question is not altered by any such even;" Surely that is not the case! for the second patent being taken out in 1838, is prior to that of Mr. Williams's in 1839, instand of being subsequent to it, as would have been the case if such occound patent had been obtained in 1841. Another strange statement is made by Mr. Williams respecting incomotive engines, in the following words—viz., "as regards instructive engines, I have never even attempted their improvement in anything that regards combustion or the admission of air," Now, as Mr. Hall actually gives an extract from Mr. Williams'. their improvement in anything that regards combustion or the admission of air." Now, as Mr. Hall estually gives an extract from Mr. Williams's specification, and accompanies it with a drawing, showing the fact of his having made such as attempt, I do think Mr. Williams was bound to give some explanation why he made such an assertion, as I carnot pay him so pow a compliment as to appose he is not able to de no, although I confusa I do not see how he can reconcile an etrong and clearly worded a statement as that shows quoted, with the specification of his patent accompanied by drawings, addoesed by Mr. Hall; Mr. Williams has not, in fact, taken the alightest notion of the contradiction of this rart of his statements, which send he much more pertinent than Mr. Williams's private history, of which nearly the whole of Mr. Williams's letter, in the last week's Mining Journal, occusion. Her in quartfully examined the suscidentians of Mr. Hall's these retents of 18.15, 18.38, and 18.11, and 18. private history, of which searly the whole of Mr. Williams's letter, in the last week's Mining Journal, excusists. Her, in carefully examined the specifications of Mr. Hall's three patents of 18.95, 18.38, and 18.41, and that of Mr. Williams's patent of 18.99. I am quite of epinion (to use the words of the latter gentleman himself) that "as to land and marine holies," Mr. Hall's plans and (his) are directly opposed to each other, and not early in land and marine betters, but still more so in locomotive helicirs. If this be the fact, of which any one will be convinced by examining the respective specifications, why did Mr. Williams make his attack on Mr. Hall at the Manchenter meeting of the British Association' and why did he membrone the convincence, by the latter in the Mining Juneal. and the measurements this conterversy, by his letter in the Mining Journal and the Mechanics' Magazine of 3d September last! I have been informed that importial and accurate that are now being made alternately with the two bullers belonging to the Manchester and Birmingham Railway Company, Store-street, Manchester, one of them being fitted with Mr. Williams's apparatus, and the other with Mr. Hall's. It is greatly to be heped that the directors of that company will do the public the im-portant service of laying the results fully before them, that they may not be misled either by the patenties or any other interested parties.

(We have given insertion to the letter of one correspondent, but, it must be makershand, that, is future, we shall not leaved any letters bearing on the question, without the names of the writers being appended to print, although known in an. The principals have no guine, seither obsculd their advecades.)

SOUTHAMPTON DOCK COMPANY.

Has, —I beg leave now to address you about the achesse for raising messay adopted by this company, by re-issue of forfeited 30f. shares for 256, secondarious by debusture notes for 30f.—the con not to be granted FM., secondaried by debenture notes for 104,—the one not to be granted values the party wends take the other. This mode of raising money I, washer logal advice, prefested against, and by far the unjurity of the share-bashers have declined availing themselves of the offer, not considering the presconding legal till conclined by Pac'amont; yet the directors wish to a saintain to themselves, and the few who have accepted the proposal, the edvantages of the "bosons" is affords—and th's without going to Pr illument on the ambient

advantages of the "homes to emercia-acces connected with the offer.

I will now present to state the elevanuataneou connected with the offer.

Last April I reserved (as did the shareholders generally) a "circular,"
datad 15th of that mouth, inclosing a "report read, and remaintions
adopted thereon, at a special general meeting of the proprieters of the
finethampton Book Company, beld at the company's offices on the 11th
Inch., for the perpose of considering and sanctioning a plun for completing
the company's repital by the sate of shares forfation, by the issue of deheaters, or otherwise, radject to the searches of an Arc of Parliament
to be applied for in the resence Exercise of an Arc of Parliament
to be applied for in the resence Exercise." under which, when exectioned
by Parliament, I was officially informed that I was (in respect of my premartin of shares) called upon to occavise (forth: it) the option of taking by Parliament, I was officially informed that I was (in respect of my proportion of shares) relied upon to exercise (forth: its) the eption of taking thirteen facilities, to be re-lessed at 201, each, and thirteen field, deheateren; "every each clear to entitle the hebber to "I broadt attaching to an original share in the company, and such descender mode to their inherent at his per event, per a town, and be repsyable at the end of share inherent at his per event, per a town, and be repsyable at the end of share years, but with an against to the hebber the a farther period, not exceeding the years, mer has two, or to conserve (i cate hit, of the co-point of the company." New, this option I thought proper to reserve my decision again and twich Art of Parliament shareh have been obtained, before which there I maintained it reach out to the town, whether any such any angular and the power of the discussion to estimate and the each against would be suffered to be carried out, and, therefore, I proceeded against the power of the discussion to call again me their to exercise any such spites, or of any other time before such Act of Parliament our checked. skopl.

chickers.

I producted the more equived the directors calling upon me flow to exmarks such system, or their taking any other procuratings, on the presumption that such servinguiseds would be executioned by Parlimeted, because
I was properly alread, that, when Parlimeted came to be informed that I was proposity a fellow, that, when Parliament came to be informed that the Parliament plot of adherenters, upon which the present Act was abstract, constrained (as had been published acknowledged by the company's chairman, by the convexery, by the most informatial member of the presidence amountained as a could be received and as a country present by almost of the presidence of the Parliament would review all farther Parliamentary sensitions to the "Simultanguage David Company." And I further president against the proposed actual parliament, and the dispatient president against them. Inform there were sensitioned by Parliament, because I was further proporty advant, that Parliament would not account to the distraction when it came in the president and its Parliament. In that the distraction would not contain the planned the parliament. were sometiment by Parliaments, included if we forther property advance, facilities and sense are suppressed, when it connectes the presented and its Parliaments.—I.W. that the districtors had placed the disputes to the present position, in the first measure by chimically the present that of Parliament believe the presentational account of alsone or against that the Parliament had been found fair subscribed for, and must by Communicaling contrary to a "constitution." of the proportionery, ediplied at a "special meeting" hold on 18th April, 1839—the directors having allowed the works to be commenced before the "call thire due had been paid on free-sixths at the local of the number of above already subscribed for," in direct disregard and violation of such resolution; 2d, that the proposed arrangements were an injury and injustice towards those proprietors who, having embarked in the undertaking on the basis of the present Act of Parliament, and the faith of its provisions being earried out, might not now choose to embark more money therein; and, 3d, that the sanctioning by Parliament of the proposed arrangements would amount virtually to a repeal of so much of the "Usury Acts" as are still in force respecting loans at interest on lands and tonements, specially excepted by "Act 2d and 3d Victoria, chapter 27," the proposed resuscration for the advance on the debentures being more than 5 per cent, interest, and the accurity offered arising out of lands and tenements. the security offered arising out of lands and teneme

I have gone to greater length in this letter than I intended, and must now conclude by calling upon the directors not to allow the few who have, without Parliamentary assection, availed themselves of the offer made to take the forfeited shares and the debentaries (by which means the average out of their shares has been materially reduced) to do so to the manifest ngth in this letter than I intended, and must injury of the majority, who would, probably, have accepted the "proposal," if it had been sanctioned by Parliament—a step which the directors now say they will not take, although they officially certified, in "one of their reports." that the same was necessary to reader the schome legal.

P.S .- I wish further to state, that, against any " rights " the less scrupulous portion of the proprietary may suppose they have sequired, by accepting the shares and debentures, I have only extended my " protest."

THE SMOKE QUESTION-MR. WILLIAMS AND MR. HALL.

THE SMOKE QUESTION—MR. WILLIAMS AND TO THE EDITOR OF THE MINIMA JOURNAL.

Sin,—In Mr. Hall's last letters, in your Journal, he seeks to disparege those chemical principles which I have taken as my guide in the admission of air to farnaces, and on which I rely for producing a more perfect combustion of the gaseous matter from coal. These principles, although emanating directly from the writings of Davy and Dalton, Mr. Hall, nevertheless, has characterised as "fedge," Involving, as they do, coally the production of the production emanating directly from the writings of Davy and Dalton, Mr. Hall, nevertheless, has characterised as "fudge." Involving, so they do, considerations of great public interest, it is worth inquiring what those principles are !—what support they have from high chemical authority ?—and what are their direct bearings on the subject of combustion, practically considered? Again, as Mr. Hall has charged me with an "overweening vanity" in this matter, I am desirous of submitting to the public the grounds on which my pretensions, as a patentee, are based. This is done in a few words. a few words.

vanity" in this matter, I am destrows or submitting to the public the grounds on which my pretensions, as a patentee, are based. This is done in a few words.

In my inquiry respecting the combustion of the gaseous matter from each, I had to compare the effects produced by the coal gas when issuing from a single large orifice, or when it issued from the fourteen small orifices of the Argand burner. I perceived that the greater perfection of combustion which the Argand lamp exhibited was directly occasioned by the more numerous, and, therefore, enlarged, surfaces for contact which the jets presentse, "in the came way (as Dr. Brett observes) as the surface of any given volume of water is increased by causing it to pass, in their streams, through numerous apertures." My first view, therefore, towards effecting a more perfect combustion of the gas generated in figuration, the initiate the principle of the Argand burner—viz., the bringing this combustible gas, in the form of jets, to the atmospheric air. I was soon, however, compelled to reject this mode of proceeding, as I found, according to the reasoning and practice of Sir H. Davy (and which led to the discovery of his safety lamp), that the heated gases were soon brought below the temperature of ignition, by the cooling effect of passing through small apertures, and that their combustion was thereby prevented, as when a wire game is held over the flame of funited gas; under these circumstances. I almost despaired of carrying the principle of the Argand burner into the farnace. Chemistry, however, came to my aid, and enabled me to effect my perpose. Observing the conditions under which chemical action is induced, and combustion effected, I concluded on reducing to practice the principle which chemistry alone could have taught the combustible be brought by jets to the aspected that the effect would be the same, if, hastead of bringing the furnace gases in jets to the air, I reversed the process, and brought the air is jets to those gases. The first obsentible. Fol arter many experiments, I found that the sole canditions of success were -ist, that the combustible gas should be brought to the high temperature regulared for chemical action and union with oxygen; and, 2d, that either one or the other—the gas or the air—be introduced in the way of jets—this principle of jets being the only means of effecting that sodien and surface contact between the gas and the air, which is the size que one of their union and combustion, where time cannot be allowed for the more disliberate and tree Dattonics diffractor.

their union and combustion, where time example to another the fact and true Daltonian diffusion.

In practice, then, and for the first time, the fact was illustrated on the large scale, that "combustible," and "improver" of combustion, were convertible terms, and that jets of air introduced to the gas, or jets of gas to the air, had equally the effect and appearance of jets of farms. Here, then, is the extent of my claim to a patent. To this Dr. Kane refers, then, is the extent of my claim to a patent. To this Dr. Kane refers, ays me the high compliment of saying... The value of this, al seurely felt by others, from the imperfection of the older me thods, has been certainly first placed in its important and just aspect by your illustrations." Here is the practical application of a well-known chemical principle in the combustion of gaseous bodies. It is not the introducing the air in this place or what place has not the air been introducing the air in this place or what place has not the air been introducing by some inventor or other!), but the mode of introducing it; and they who dispute my principle, or the value of my mode, much be removed by a principle or the value of my mode. must be prepared to say that there Argund barner and the prepared to say that there is no difference in effect between the server and the single large jet. Here, then, is my claim on the ny "invention," as it is turned in putent law. To this alone occurrency vanity "extend.

Argues reverse of my " invention," as it is turned in process of my " invention," as it is turned in process.

In the course of my expeciments I became continued of the all-commanding importance of raising the temperature of the gases in the formace, before beinging them into contact with the sir, and that provided three conditions of numerous jets on the use hand, and high temperature on the other, were satisfied, it was immaterial, in prescrice, how large the scale of operations might be—in what place the jets were introduced—whether they begon at the bridge, or at intervals of ten or even twenty foot distant.

The principle on which I proceeded is, however, so closely causeinged in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts, from the opinions of Professor Brands and others, in the following extracts are processed to the extraction of the extraction

se making an experiment upon a large and practical scale, from mode on a small and theoretical one, in illustration thick I have often of the innecessary of the common terms of combactivite, and supporter of combaction, as actionally applied." Mr. Brande then adds—" I have no healtstion in anging, that the views prescribed in your cases are substantially foundated spen just and activatible principles." After such a tention mint. timeraial, may I not almost,he commend for noticing Itali, who can look on these views and principles so ring such cavillers to Mr., a as " finige." Respect for trysoid, and respect for the public, who have a eight to cancales the claims of every man who coaks to have his opinion received, has abone inducted me to make this consumprivation.

I might here connected many each tretimentals from men of high stending, but will content equal with the following extents from deliberatory-written and elaborate examinations, both of my treation and the

principles on which my made of admitting air is bested.

Dr. Use abserves—" In the case of great stress-boiler furnished, for which your patient is supercisely intended, your patient of distributing stress-boiler particularly stress last, your plant of distributing stress-boilers." here are, in a exputation quantity, by necessary plots of continuous general force are, in a exputation quantity, by necessary point of forces the extract the solitons mention, in psecularly happy, and must conside you be extract the finch heat which the conductable is capable of afferding."

He. Brett, of the Enyal Santitution, Liverpool, says—" By causing the independence on to be decreas, by job, among the indemension game, you

employ, as it appears to me, the only m a large scale, of causing a sufficient mechanical admixture between the air and the gases to be burst. By such means you considerably extend the surface of any given bulk of atmospheric air admitted, in the same say as the surface of any given volume of water is increased by esnaing it to pass, in thin atreams, through a vessel containing numerous apertures." Again—"The old useds of combustion in furnaces is manifestly incompetent to effect this perfect combustion, and which is only to be obtained, in my opinion, by a plan based upon such principles as you have advocated." Dr. Kane observes—"The introduction of air at the bridge, and along the flame bed, to supply the quantity of oxygen necessary for the combust.

In my opinion, by a plan based upon such prescript at the bridge, and along the fiance bed, to supply the quantity of oxygen necessary for the combustion of the volatile products of the coal—the diffusion of this air, scenario by its issueing from a great number of small jets—and the consequent fall combustion of the gaseous fuel—are elements of real economy and success in practice. The value of this, although obscarely felt by others, from the imperfection of the older methods, has been certainly first placed in its imperfact and just aspect by your illustrations." These, I repeat, are the principles on which my claim to the attention of practical or scientific men is based—these are the bounds by which my "everweening of the circumscribed.

You have, in your last Number, page 333, drawn attention to Mr. Hall's advertisement, announcing his claim to his invention, and which he describes as "the only method (although sought for during the last half century) that has been devised for the perfect combustion of smoke."

This I will not dispute with him, my claim being for the combustion of the gar, before it has been converted into smale. Setting saids the little touch of 'vanity' which this advertisement exhibits, I ask—will Mr. Hall explain the principles (if he have any) on which he expects to produce a more perfect combustion than any other patentee? For, surely, he has no right, on his mere ipse dirif, to expect that all the world will yield to his mere assertion, and on so difficult a subject as combustion.

But, to bring Mr. Hall and his invention to a practical test, I ask him to satisfy the public on the following points:—I. On what principle does he expect a more perfect combustion in steam-holler furnaces by the use of hat air rather than cold air, when unoccompanied by the blast, for such is not advocated by any chemical nutherity? 2. On what principle does he rely, when he introduces this hot air at the front end, and near the door, rather than at the back and, as done by Mr. Coad? 3. On what principle does he rely for increasing the quantity of exygen in a furnace. have, in your last Number, page 333, drawn attention to Mr.

door, rather than at the back end, as done by Mr. Coad? 3. On what principle does he rely for increasing the quantity of oxygen in a farnace, by heating the air which is to supply such oxygen, seeing that every well-informed chemist tells us that the hotter the air is made the less oxygen will be introduced? 4. On what principle does he rely for preferring to burn the smoke, rather than the gas from which the smoke is generated, by an imperfection in the process? To common minds, it appears a more common-sense proceeding, to burn the gas, in the first instance, by a perfect process (as we do in the Argand burner), rather than adopting the roundabout proceeding of first making the smoke, and then endeavouring to burn it. Until these questions are answered (and which I rather think he will be slow in doing), Mr. Hall is not justified in expecting that his meere dictum is to pass for authority, or in daming the principles of others as "fudge" or "overweening vanity."

C. W. WILLIAM'S.

Liveryool, Oct. 17.

THE NEW TARIFF-THE MINING INTEREST.

Liverpool, Oct. 17.

THE NEW TARIFF—THE MINING INTEREST.

YO THE EDITOR OF THE WEST DATION.

Sin,—In considering the remedy suggested by Mr. Basset for the decline which he assects must take place in the value of the produce of our copper mines—viz., "a better economy in our mining operations"—I divide the cost of working the mines into the following heads:—Manual inhour and superintendence; the providing and unnintenance of machinery; mining stores; and I think it unnecessary on this occasion to refer particularly to other, comparatively unimportant, charges.

MANUAL LABOUR.—I abstain here from making any appeal to the higher feelings of our nature, and take a more business view of the subject; and I believe that I express the decided opinion of the great body of our saine agent, when I assert that no further reduction in the carnings of Cornish miners generally can be effected bracifically to their employers. I do not deny that they may be compelled by circumstances to accept of work upon terms leaving them less carnings, individually, than at present; but I contend their physical capability for labour, and their energy, must, from insufficient sustance and discouragement, be decreased in a still greater proportion; and, if this were carried into effect to any considerable extent, I am satisfied the condition of the present generation, at least, of the class, would be very seriously deteriorated in every respect. Though apparently "easier," no really "less expensive "terms can be caforced in this quarter; and I depressed the suggestion, if it be intended to apply here, as being both impulities and impracticable, to say nothing of its harshness. In regard to the expense of superintendence, I amended and no one having the slightest present which the subject, and knowing how much the prosperity of the amount think it expecilent to lesses their stimulus to expense of superint of the intenses of the subject, and knowing how much the prosperity of the mines despended by his deserving body of men might maintain them

The Provines And Maintenance of Machinena, .—The present excessively low price of the principal material, and the depressed rate of labour employed in the construction of machinery, ronder it all but certain that a considerable advance must shortly take place in the expanse of this department; any reduction of it is entirely out of the question. In regard to the care that is the last farily years our mining expenses of working the machinery, I believe that in the last farily years our mining expenses of the machinery, I believe that in the last farily years our mining expenses of the will be very long before either horses or engines will be worked on "a straw a-day," there does not appear in he much present of timely and ofequate relief from this quarter, to meet the imposing observation of our produce, which Mr. Bases to consideratly products. As to mining stores being obtained upon "casier terms," a rise to the recessor of them, generally, is, I consider, such more probable. Indeed, when the depressed state of trade throughout the hingrison is ensentiored, and particularly that of the iron and coal districts, from whenour we draw as large a portion of our supplier, an educance of prices seems to be inevitable. The expense of timber to the miners will be increased by the constitute. The expense of timber to the miners will be increased by the constitute of molang stores is likely to be assably restand. Upon the whole, it meet advance—and considerably, if the country is to prosper. themselves.
The Providing and Maintenance of Machinery.—The present

move ready to avoid the winers of his naffer equaty, thus his family; " and I believe that these who know him, have the fullest confidence that he will excited by possess the same librest course. There was to no doubt that the mill conditions of the reason of does which have, from time to there, taken plans have been fully been active of does which have, from time to there, taken plans have been shirt he discrete and timely emerations which have generally here made to reasonable applications in the respect, have been much by vastageous to the parties immediately laterated, as well as to the public white neither proporties per letter pricking, there can be no doubt the judging from the past, they will readily erapided to any appeals which major in the past, they will readily erapided to any appeals which major in the public, the past, they will readily erapided to any appeals which major interpretation that of the onlying, I take upon appeal to make a vargestime. The protections, and, I trink the reasonablement of which is obvious. It is a major that only the parties are not independently the parties and and independently in a parties in the protection. The protection is the parties of agriculture; more interes should be granted for such integer towns as well justify the odvintures in their protections untiley, and indeed them on to do not their operations as to indeed own probable advantage, and the office of the loadinance may reduce the comparative of the loadinance and the pathin, by the most extensive the country of the loadinance and the pathin, by the most extensive the province of the loadinance of the comparative of the loadinance and the pathin, by the most extensive and the order and the pathin only in the line province of the loadinance of the loadinanc et is

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In regard to another matter, which I exact possover assorticed—the administra' poult—it can assorely be expected that, with all its seductiveness, they will continue to embert, in mining enterprise, if they full in with Mr. Baset's notion, that "our produce must be obtained at a cheaper rate;" spices they can be shown in what respect "better economy" is practicable, to an extent likely still to heave them some prospect of advantage in their unifortakings. Although I do not participate in the sanguine expectation of genely advantage from "a better economy in our mining operations," which life. Baset appears to entertain, I do not presume to set any limit to the further progressive and valuable improvements which may reasonably be exceeded to take place, from time to time, from the ingenuity and intelligence four mining population. On the contract, I anticipate the continued course of improvement with the greatest confidence, provided it receive sufficient stignlus. But when Mr. Hasset looks to "better economy in our mining operations," as a sufficient and timely set off to the depreciation in the value of any produce, which he expects to be effected by the taxiff which is to come into insufficient operation, I fear that he greatly overraies "the march of suprovement" in respect of its speed.

From the anticipated fall in the price of copper from what Mr. Basset considers "its present high price" (the manufactured article being very nearly solve as it has ever bees for the last twelve or fifteen years) the looks forward to its being much more extensively used. That a lower price and an increased consumption of the article would naturally follow, as cause and feet is clear enough; but, unless it be at such a price as will enable us to keep open our miner, an increased consumption of oppnyr will not more begin in the county appear to have done—"becaming their case as hopeless," to such the door of Nature. If a few sort of indigo. Its of the price is the county appear to have done—"becaming their case as hopeles," t

ear mines, could long be worked. Otherwise, any no very general through asse as desperser; and I believe that this impression is very general through the county.

Although I endeavour, to this extent, "to soothe," like Mr. Basset, "the fars of those 'who bemong their case as hopeless," I do not shut my eyes to the fact, that we have been unfairly and treacherously dealt with by Ministers. It was professed at the Board of Traie, that the Government "would afford the Cornish miners every selvantage within its power;" and have has this profession been redecemed? Most of your mining readers can saddly answer this question; and I think they will agree with me, that short of thereafter introducing measures, which even the author of the peace income tax could not dare attempt—a bounty on the importation of foreign appear, or an export duty on British copper—they could not possibly have sublished greater isoonsistency. I do not affect to believe, as Mr. Basset supposes others to do, that, in this instance, they (the Government) "have drawn up the tariff in ignorance of the various interests which will be affected by it;" and I believe that the gentlemen comprising the late deputation, had assen to form too high an estimate of the ability and intelligence of those members of the Government with whom they came in contact, and of their mesos of information, to attribute their faithless inconsistency to such a sasse. On the contrary, I apprehend that they were at no loss to understand to what informed on interests were intentionally and deliberately as efficied.

A Minum.

MINING IN AMERICA.

MINING IN AMERICA.

ON THE WISCONSIN AND MISSOURI LEAD REGION.

BY JAMES T. HODER, ENG.

(Continued from Jeurnal of its October.)

Account of the houses at their own risk. Wherever they think there is a general of discovering a "lead," there they commence their operations—as of them joining to sisk experimental shafts. Sometimes they spend a gen in unsuccessful exploring, but with the expectation of being repaid for a sil by a happy discovery. If they strike a "lead" they offer the ore to be nearest emission at the market price, and the owner of the lead conces a fee hits share of one-fifth of the ore raised, but the original discoverers er allowed by the custom of the country the other four-fiths. Should the forevery promise to be an important one, other miners are sitracted to from the country around. They comes in coimpanies proportioned to the spetiation the new diggings have acquired, and in a month's time a little eshage of low cabins, with a population of 300 or 400 people has sprung up a the midst of what was just before wild woods or as uninhabited prairie. He see concers not having been instrumental in making the discovery, have at inferior claim to their predecessors, who are not permitted by "the rules of the miners" to monopolies more than a certain number of square roid somes their successful shafts. As each one comes he selects his own ground, eat smany rods are staked out for his operations, but of the ore he raises us-fifths go to the prepietors of the land, and he is allowed but con-fifth. he proprietor may persuade miners to come and work is this way, or he may be them on fixed wages, but the former is considered the preference has a select his own ground, eat small results and the selection of the same period of the same receive their greatest share of four-fifths, or it is bought by other miners are selected by it to raise as much or as possible, and in he latter it is no object to him to take out any at all, and it is, therefore, separatily the case that when working on sungerathey will ca

wify mailed draw on log braps, and a small portion of the metal than exhibited at a great waster of truel. New they are of the metal approved forms, is considered with particular regard in the most approved forms, in discontrated with particular regard in the most approved forms, in the particular regard in the most expenses. The receiver short forms, in the particular regard in the most expenses. The receiver short forms, in the particular regard in the most expenses. The receiver short forms, in the particular regard in the sides, which serve also for all the particular regard on the sides, which serve also for all the particular regard on the sides, which serve also for all the sides which serve are actions to the particular regard on the sides, which serve are actions better basis on the sides, which serve are actions better basis on the particular regard on the sides, which serve are actions better basis on the grant managines of its sides of accusing make use of most, and from the grant managines of its sides of forms and the side of the sides of accusing make use of most, and from the grant managines of its sides of forms and the sides of the sides of forms and the sides of the sides of forms and the sides of forms

Worth of 2654 pigs of lead at Galena ...

in part combined with the express, supposed to large quantities of which comes is from behind through the fire. When the same begins to melting and becomes consolidated, the load smelter, with a long iron har, price up discharge the control of th

important alteration since hast reported.

The regime obalt (Baker's) which is being such on the course of the look is 7 fme, 3 ft. below the fifty (athors level; the general in still factors this for similar, and we expect to reach the sixty fallows level in about a fortnight from this time; the lade is said shall is larger, and theirly compound of some and peach, petaloring a little are. The lade, is extending the thirty fathors level can be ach, occasionably producing a small quantity of good are; this level is driving eactward from Baker's shall twenty eight fathoms, and we expect it will shortly couch the one ground country of from the forty fathors level. The triving picture are without important alteration. We have complete beet.

day, computed fifty one toms of one.

One of the continues of one of the continues of the c

Wast where is no alteration in the ground in Huckingham's shaft one our list. The seventy east, on south branch, is a little more forearmide driving. In the seventy east, on wheat Jewel lode, the inde was taken doe this week, and is worth 35f, per fathom. The neverty west, on the an lode, is of a very promising character, eighteen inches wide, and worth oper fathom. The fifty-seven east, on this lode, is worth 6f, per fathow; if whose under this leyel is worth 5f, per fathow; if whose under this leyel is worth 5f, per fathow. In the forty-two, east little cross-course, we have not taken down the inde this week, as intended as it would hinder the tributers; the ground about the lode is very favoured for ore.

TRYIGHT MINING COMPANY.

wines under this level is worth. Dot, per fathoms. In the fact, time, and of little cross-course, we have not taken down the lade this week, an intended, as it would hinder the irributers; the ground about the lade is very favourable for ore.

FRETOIL MINING CONPANT.

Oct. 17.—The lode in the forty fathom level, coat of Williams's shaft, in tweaty incluse wide, very good tribute ground. The lode in Henney of the late in the rise, in the back of this level, is six inches wide, good tribute ground. The lode in Henney of the late in the late of this level, is six inches wide, good tribute ground. The lode in the thirty fathom level, coat of Henwaud's shaft, is still dissrelayed by means of the cross-coat mentioned in our last report. The north part of the Silis, park lode, at the adit level, west of John's shaft, is still dissrelayed by the distributed of Morecon's shaft, in much the same as last reported. We have amplied this day 140 tone of ore. The this lode, which we are sinoping in the adit sast of Morecon's shaft, in much the same as last reported. We have amplied this day 140 tone of ore.

MEDPORD CHITED MINING COMPANY.

Oct. 17.—I beg to hand you report of these mines. In Wheal Marquis, in the forty fathom level cast, the lode is about two feet wide, composed of spar, mundle, and captor of copper ore, but not a contract of a part of copper ore, but and the end will yold about a ton and a half part, mundle, and captor of the latter the pay for aveing. The lode in the Unitry fations level one in the Unitry fations level cast is about two feet wide, and has assumed a much more promising appearance class last report. In the twenty-free fathom level west the lode is about fation inches wide, companyed of mountle, pays, und coppers, but of the Instructional Law for the contract of the castern part of When Marquis is progressing tolerably well; the cagine-shaft about their, see to a fath of the castern part of When Marquis is progressing tolerably well; the cagine-shaft about two feet wide, producing some good wo

Aug. 12.—Mr. Forces left this place for Helianne me the 7th tachant, now, to comprise with his instructions, I near forward you the mention assessment, then, of this enquitide on the July. Bince Mr. Florest last wrote you notified new, descripe particular action, has entervied in the entere, except in the old mine of fit Corners, where we have, in the present week, discovered some very grown over, sensying from their in the old mines of someoning are presented as the first surge and have not presented in the old fit of the ol

MINE ACCIDENTS.

MINE ACCIDENTE.

Readend,—A fedal accident inappresed a few days since at Sondend, again Portony, I three sum, a father and one named J. Sondin, and J. Godina, were at work in a querry, when a large piece of the read, which fire feet expenses, with from the bright of eight for topic closes, and belief him on the equal years time closes between brings the stone consolider, and belief him on the equal years time closes, belief to stone consolider, and belief him on the equal years time closes, but he stone consolider of soil send the sone time, and potential according to the stone source of the soil belief belief to the soil be belief to the soil belief to the soil be belief to the soil belief to the soil be belief to the soil belief to the soil belief to the soil be belief to the soil belief to the soil belief to the soil be belief to the soil belief to t

of payment, and considerable partnesses of Long Aracellan and Reduced more made. The prices still conditions from, and on Therefore one partnesses who made and Reduced more made. The prices still conditions from, and on Therefore one partnesses who made on acrosses of a lending backing form, to the natural of forgood, which was following form, to the natural of forgood, which was following by one or two rather considerable transfers one private consense. The functionations have been of he consequences, the principles of which are no follows—44 per Cont. Reduced, long § ; a per Cent. Consents, the § ; and Consents for Accument, this keeps down at from left, to follow, and to restain for Accument, the Fachmanes Bills were down at from left, to following are the functionism in this description of averagement —Faringment is per Cents, 180 %; ditto 3 per Cents., 175 %; Bandon Actions in § ; disto 3 per Cents., 274 %; Bandon per per Cents. (60 %) disto 3 per Cents., 175 %; Benzillan, 65 %; Benzillan, 165 %; and Pernerism, 16 16.

Track Excellance.

**Track Excellanc

STOCK EXCHANGE, Solurday morning, Twelve of clock. R, Salvarday moorning, Tuellen o'clack, Butch, 7g per Cant., 5/2 f Bitto, 2 per Cant., 100 f Portuguess, 5 per Cant., 50 f Bitto, 2 per Cant., 12 f Russian, 5 per Cant., 12 f Bitto, 2 per Cant., 12 f Bitto, 2 per Cant., 27 f Chell, 6 per Cant., 27 f Chell, 6 per Cant., 27 f Mexicon, 5 per Cant., 27 f Mexicon, 2 per Cant., 27 f Peru, 12 f6 Consoln Money, 901 5

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Bitto Acomout, 902 5

Rew as per Conta, 100 5

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Back Stock, 164 6

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Reigina Bendo, a per Cont, 100 5

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[From our own correspondents.]

1.ATEST PRICES OF IRISH STOCES.—Spec Cout. Consols, 27[1, to 22[1, 3]

block, pull.; ditto New., ison, foul., 3s per Cout. Determines, 27[1, to 22[1, 3]

block, pull.; ditto New., ison, foul., Debits and Broghods, 6t.—Hiterries Bank, 2ct., Royal Bank, 1ct., Provinced Bank, 4tt., Cuty of Dubris Broam Company, 2ct., ditto Broak, 10t., 2ct., Beans Ship Building Company, 4ct[t], ditto House, 10th, 4ct[t].—Hearn Ship Building Company, 4ct[t]. Hittish and Irish ditto, 11t.—National Instance Company, 2ct.], Principle, 74t.—Mining Company of Iroland, 122t., Wickiew Copper Missa, 11[t].

photos, 1974, interest fewer, 1987, 1987, and 1987, and 1987, 1987, and 1987, and 1974, and 1987, and 1987

De by, 1986. Limitered and Manifester. 126. Leanus and Bire ingland, Landon and Bire ingland, Landon and Bire ingland, 2016. Leanus and Stock Western, 2016. Montelland Stock Stock and Landon Vol. Malliand Unions, 2016. Stock and Landon Vol. Malliand Unions, 2016. Stock and Landon Malliand Unions, 2016. Stock and Market Stock Malliand Unions, 2016. Stock Malliand Union Stock Stock Malliand Union Stock Stock Malliand Stock and Novel Malliand Stock and Malliand Stock Malliand Stock Malliand Stock Malliand Stock Malliand Stock Malliand Stock Malliand Malliand Stock Malliand Stock

tomon Company, it.—Gas-Light Co 1801.—Harrington Dock, 671.—Boots ton Water-Works, 6194.

SALE OF COPPAR ORES IN CORNWALL

Mines.	Tons.	Price.	Purchasers.	Mines.	Tons.	Price.	Purchasers.
Trensver	117	45 14 G.	Williams.	FOWER C.	.24 4	es 17 o	Freemans.
ditto	100	n 5 6.	P. Grenfella.	Holes/week	107	13 10 6.	Virians.
			Williams.				Freemans.
ritte			Mevill & Co.				_
ditto	65 .				42		P. Greefella.
ditto	44	4 0 6.	-		10 . 1		Mines Boys
P. Consell				Charlester	ra67	7 9 6.	Viviana.
ditto	97	6 3 4.	annual.	ditto	ER 5	21 14 0	Williams.
ditto	500 .	6 14 6.	P. Grenfells.	Gt.W.Cha	£.18	2 3 6.	P. Grenteffs.
ditte	4	2 15 0	Virians.	dittro	2	2 9 4.	Freemans.
diffr	29	24 15 .	WICHAMS.	U. Wood .	19	5 6 8.	Nevill & Co.
FOWER C.	900	7 15 6.	Freemans.	Cliff Down	s 19	8 9 4.	Freemans.
	10		Nevill & Co.	Was,'s ore	15	3 I G.	P. Grunfella
1000	,		TOYAL P	RODUCE.			total Especia
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Par Create	Š4	857	2715 1 6	Gt. Wh. C	bariotte	20	45 18 6
Marine Marin	4	70.00	1-FFE 65 60	ORDER BY- CA.	- 100 A	5.05	**** ** *

Fowey Consols ... 221 ... 1612 11 0 Wh, Unity Wood 19 ... 100 14 0 Holenbush ... 207 ... 1287 S 6 Cliff Downs ... 15 ... 68 o c Wh. Gordand ... 126 ... 69 2 0 Williamser's Ore ... 15 ... 45 15 o Average offindard, 1664 ... 192 ... Average product, 9.—Average price, 64. 17s. 6d.—Quantity of ore, 1666 tons... Quantity of fine copper, 144 tons 15 cert.—Amount of one; 11,754, cs. 6d.—Average standards of last sale, 1104. 12s.—Average product, 75.

COMPANIES ST WHOM THE ORES	W. S. D.	S PURCH	ABEI	No.		
	Tons.		Amo	258	£.	
Mines Royal Company	10	A	INT	10		
Vivian and Sons	413	*******	3:455	16		
Freeman and Co	359		2451		4	- 7
P. Gresfell and flons	274	******	1712	2	4	- 2
Sims, Willyams, Neville, Druce, and Co	296	*******	1,550	. 8	-6	-
Wittingen, Foster, and Co	254	*******	2009	-		
	ROSCHER	-	-		MINE.	
	Sec. of		APPROX.	-	- 46	

Copyety over for cale on Thursday next, at Farquharson's Hetel, Truro.—Mines and Parcels.—United Mines, 178s, South Caradon, 50s, Trectosian, 330s, North Downs, 20s, Treasures, 44; Powery Consols, 20s, Trestagist Consols, 125; Trectosian, 330s, North Downs, 20s, Trestagist Consols, 125; Trectosian Consols, 72.—Total, soid tens.
Copyed corts for selection Thursday word, at Andrew's Hotel, Redruth.—Mines and Parcels.—North Ronkear, 81s, 10 consolidated Mines, 70; Booth Ronkear, 81s, 27s, Dedocath, 81; Kast Wheal Crafty, 22s; South Wheal Baset, 22s, 17s Consols, 27s, Whenl Trevarsa, 27s; United Hills, 23s, Hallenderingle, 24; Fowey Consols, 27s, East Pool. 17s, Tretoll, 140; Whenl Harriet, 75; Tregolian, 5; Wheal Harmony, 27.—Total, 4674 tons.

SALE OF COPPER CRES AT SWANSEA.

Sampled September 2s, and said on the 19th of October.

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	Vivian and Suparity (-1) CA	19 19 19 19 19 19 19 19 19 19 19 19 19 1

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BATEST CURRENT PRICES OF METALS.

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Nail rods 6 15 0 'A bars 0 0 0			
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here many better market at the per term of peakerday.] I harpe sales of foreign spectrum to approximate of peakerday.] I harpe sales of foreign spectrum to approximations, both on the spect, and for structure, and the setter in nominative fall, inc. By expectors assessed spectrum and the setter in nominative fall, inc. By expectors assessed spectrum, and here in the setter in nominative selective substitution of British, which is the selective in the perdament whose personners will seem have personners which seem to the accuracy of medicar the hereon of the service term, will always person the means of medicar the hereon of the service term, will always person the means, examin, and remove sales for incident in mesons at i.d. i.em, per term. Severe the heads in American, of his for deliveration of the second second considerate very size. I first bedian to sould be day of problem, do the second secon

From the Nameny (I on I of this day) Fight base of specifies are requested to seave home soid to doe to the specialistics at the participant of the participant from the state of the special series of the specifies as for local and a state of the participant series as the specifies as the specifies as the specifies as the specifies are seen entire asset large parents are seen another adjusted to the Pentarchory in

There has been no transactions in British Mine chares reparted little more business, nowwer, has been done in Pureign Bliss share advanced prices—Belazon being new id and sorie hig. Emperial Braz vanced 21, per chare, the last quotation being 12, Registered Real of one at 14; Unregistered ditto, 31; and Lona Notes at 50, being on the two inditor. The conditional importation of ore from the fastings to excourage the merkets, the lastist quotation for those shares being in the process of the last price being 2. Other shares remain with

DRITINH MINES.	BRITISH MINES- confined.
Shares. Company. Paid. Price	Shares. Company. Paid. Price
low Anglesey h	s,000 Tin Cruft 7 . 8
4,000 Bedford	126 Trewarms
4,000 Bisspe Bridge b	170 Treviskey and Barrier Dip.
100 Botallack	pd Tresavean Like
10,600 British from 70 Sidis	128 Trethellan
s,000 Blaceavon 50 114	4,000 United Hills
120 Brewer	4,000 Wicklow Copper 3 . La
79 Bednick	3,643 West Wheal Jewel 10 64 6
5,000 Con.Tretoil Mining Ass. 4 1	57 Wheal Vor 560 300
3,000 Cornebian Lead Co 2 2	1,000 West Carbery 15 12
5,000 Cornwall Great United 104 1	THE STREET LEE SHALL THE PROPERTY OF THE PROPE
512 Cook's Kitchen 30	FOREIGN MINES.
112 Charlestown 450	5,000 Alten Mining Company 184
126 Cregg Braws 40 .335	10,600 Angio Mexican Co 100 2
128 Coolseen	3,374 Do. Subscription 25 21 4
10,000 BurhamCountyCoalCo. 27 9	2,000 Bolanes
3:0 Diamond 5 6	Ditto Scrip 15 15
128 East Pool 340	10,000 Brazilian Imperial 21 12
100 Great Consols 97 630	10,000 Bolivar 20 *
10,000 Hibernian 124. 24	10,000 Ditto Scrip 10 . 2 0
1,000 Holmbush 14 42	10,000 Cata Branca Brazilian 64.
2,000 Isle of Sark (Guernary) 11 #	10,000 Conceiran. J. Co. 4
80 Levant	12,000 Color CopperCompany 46 29
20,000 Mining Co. of Ireland 7 154	8,500 Colombian Co. regis 35 2
128 Mostya Mines	10,000 Copiapo Mining Co 131 . 01
3,000 Poliberus Chesols 10	20,000 General Mining Asso. 26 , 4
10,000 Rhymnes fron 30 103	5,351 Mexican Company, 500 1 12,000 Mocaulus and Cocace 15 46
100 Rosewall Rill 190 160	14,502 [Real del Monte, regis, 434 14
128 South Caradon 1000	14,502 Do. unregiatored 24
FOW MOUTH TOWAR 10 1	Ditto Loan Notes 130 30
6 64 Mouth Wheal Basset 560	7,000 Royal Santiaco 10
57 Speam Moor 70 100	11,000 St. John d'el Rey ih 3
4.0ms Tregolian	20,000 United Mexican 40 144
4,000 Troloigh Consois b 14	Black Scrip, additionpital \$ 180
6,000 TamarConsols 3 28	Red New Scrip 24. 26

RAILWAY SHARE LIST AND TRAFFIC RETURNS.

RAILWAY SHARE LIST AND TRAFFIC RETURNS.

The transactions in railway shares have been rather extensive, and the mark has a more healthy appearance, all the bris lessa done, with the caception of the of the observe of those unfortunate encorrant he London and flackwall and London and Greenwich Railways, which have again declined, having been at an advance upon last week's quotations. The closing prices are given below. The result the meeting of the shareholders of the West London Kailway Company, held yetershay, may be consistered as satisfactory, the confirmation of the resulting crusting the new capital having been carried, with only a trifling opposition on the part of a Mr. White and his son, the former of whom probessed hinwelf to be in a vour of the considence on this read (why did he become a shareholder in this railway?), and did his best to prevent the plan of resuncitating the railway being put in operation, but himself and Mr. White, hus., were alone in their opposition, and the renolations were carried with the consent of every other shareholder in the room, independently of proxies the dhairman had received in favour of the proposition, from proprietors holding, in the aggregate, upwards of 1,800 shares. To election of four active pretitemen to the post of directors was bailed by the paprietors with much satisfactive. A question was raised, and not for the first time as to what right the as-directors had to class their pay for the time that the share was to what right the as-directors had to class their pay for the time that the account of the proposition was the machine of the proprietors with much satisfactive. A question was raised, and not for the first time as to what right the as-directors had to call their pay for the time that the share of the second to exceed three or four times in the course of the year? Mr. Garlas very property refused to recognise their right to removeration where no service had been rendered, and declared his intention of constantly opposing any great them. Another meet

APPE	Entire Lgth.		Present ac-			
Artiginthat Motor Railway	15	15	# INL.44 1	25	22	-
	46	384	M55,044	100	42	1517 8
terminal figures Greacester	374	81	1,013,723	100	41	2077 6
aranging Maction	25	23	437,594	43	-	673 13
Checker and Birkenhend	140	F44	456,664	20	26	612 4
Dalstin and Kingstown		6	381,266	180	77.4	706 18
Builder and Arbroath	148	164	134,084	24	26	878 8
Eastern Counties*	LING	124	1,476,170	23	.04	1006 3 1
Edinburgh and Glasgow., .	46	46	1,253,234	MI	454	2149 12
Gluogow and Ayr	51	40	680,345	45	. 40	1000 11
Glasgow and Paisley Joint	724	221	250,098	26	100	762 19
Gd. June. A Chester & Crewe	1134	1104	2,192,047	100	172	7954 8
Great North of England	76	45	1,900,000	100	1124	1457 10
Great Western	118	110	5,265,644	- 65	5.0	13094 1S S
Hayle	18	1.0	175,000	100	888	233 0 2
Hall and Beiley	31	at i	460,000	340	874	1986 17
Lancaster & Freston June.	204	201	200,000	424	274	arrested.
Liverpool and Manchester	38	81	-1,410,000	toe	188	4778 8 9
London and Birmingham	1926	1124	3,724,807	96	180	16309 17 8
Ligoton and Blackwall	. 24	3.0	1 mm2 , make 1	20	84	193 9
Lundon and Brighton	- 46	462	2,005,500	- 80	204	4545 15 B
Ed. John and Cropdon	104	194	457,992	159	10	997 17
Lond wind Greenwich	1 58	34	793,816	26	48	675 10 1
London and South Western	93	22	7,786,837	204	674	Beet 19 1
Munchester, Bollon, & Hery	10	10	779,536	93	Bil.	500 14 M
Manchester & Birmingham	45		1,166,842	46 1	194	2557 5 6
Manchester and Looks,	5.0	10	2,525,50m	24	70	1019 19 E
Midland Counti	4.2	67 1	1,446,790	100	612	3003 16 6
Names and Chilling	Sing	614	750,000	160	Box	1426 13
Newcastle N. Bhields	1	2 1	212,407	50	44	231 E
Norther astern?	224	154	356,913	40	254	14ml 19 4
Sorth 1	799	799	3,1129,487	Tues !	304	4391 3 3
Northell and comment	25	28	MH, 880	76	754	1019 2 5
President and Ware	154	124	27/0,000	30	59	197 4
Manchester	40	2	20.1,827	RIA .	-	995 45 3
foodb Eastern	4.7	45	1,673,466	240	275	1450 .
full Vale	300	366	A29,710	100	-	641 4 8
Select in a proceedings and a	256		225,140	771		457 18 7
Fork and North Midland	200	24	445,540	200	-	1994 12:0

Including Northern and Eustern Railway toll.
 Rent and toll to far Counties inheat 15st, per word) included in the returns.
 The Liverpool Manchesier toll in deducted.

JOINT-STOCK BANKS.

The amount of beniness done in this description of security has not extent, or of such a nature as to require expectal active, if we as sharen of the minak of Crylon Stank at par. The progress of this has been excluded the more than twelve monthly, must be nightly as only to the shareholders, but he file supporters in Certies, whose will fe of its establishment in the entest benefits and manner. The fact that, on a subscribed, conventioned to the stank beaution of the schaleful stank to the subscribed as about a time from its first establishment, is reflicted at in place time as the list of those fortunets understanking which have returned meaning current, the list of those fortunets understankings which have returned profit to the spirithed softwarfiners. The centract of redset by the understanding that the directions actsure indigs the understand to the spirithed softwarfiners. The sentract of the properties of the spirithed softwarfiners as the successful they have done it pasced considered in the about a tithest for our manneyer, with a new mean. The level that he properties on excessionate, as the directions have been to the properties on excessionate, as the directions have been been the non-their columns, as immended to so these flash for home — why should counter with the directions of the Bank of Mannetonics of the linear — why should counter with the directions of the Bank of Mannetonics of the directions of

Comparing Separations again 20 years, Stage 1, Yorks and Novelock Associated, 1982, "Yorks share from Stage 5, Novelock Services Associated Services Service	Fifty bean of specifies the expected to save have seen the doc to the specified at the last set of the specifies are the save to the save	Sharen. Company. Pusis. Print Sharen. Company. Pusis. A statement of the s			
Sen, 85(), Betchungh and Filegerei, 8(5)), Grades Jacobse, (1), Limit Western, 61(), 10046 Service of Practice, (1)), London and Practice, (1)), London and Benderic and Practice, (1)), London and Benderic and Practice, (1)).	dom is 2- dependent from 20-Term 11 2-descended States 10-Western 14distinguish in. FRIPALY LINUIS Made is 6-describe Word Hundry 17 6-Chester Made 16 8- Hundry and Masse II 8-Same Templett 15-tild Templet is -Chester Made 16 8- Automorphis Word Hundrick Control Manager is a Templett in Section 18distinguish 15distinguish 15distinguish 16distinguish 16	MISCELLANEOUS. The realy said that have been effected in this directificat of secondly has been allowed by the Parket Chen, may be shored, which were cold of 8 49—4 and failing of least quarterists having been 14.			
O'40 a Breedon and Origination that the model a source and being day then the design and Security back, but the section to the large and the section to the section of the	of my a track and the fact to the first of the barred for the defined fit to be a fact to the first of the fi				
Capt ; States Springer, Dr. ; States Change, Ang. Parre and States ; [16] States Swatter, [16] States State	ten (1 i t.); i b - Prochestro (t. Benesit's Hernes (1 i b - Seprent's (1 - elementel) (t elementel) (t.	Armotive Paramed and Pole wheel by Napadra Remains, the Projectionics, 45 500, the 1, Craire count. From answer, in the only of London; where its Combines and Advertinessantin pre payameted to be below under, past-count, Sending 20, 50			
	A STATE OF THE STA				